

# Index to Authors

Vol. 78—1962

In abstracts of patents only the names of firms have been given and the abstracts have been indexed under these names. Where two firms have jointly taken out a patent, or where a paper has two or more authors, the names have been arranged in the index alphabetically, the entry appearing under the first name, with cross references from the others.

Names beginning with de, la, le, ter, van, von, etc. are indexed under the surname.

## Abbreviations of Names of Firms, etc.

The abbreviations listed below have been used in the *Journal*.

<b>AATCC</b> ...	... American Association of Textile Chemists and Colorists	<b>Gevaert</b> ...	... Gevaert Photo-Producten N.V.
<b>Acna</b> ...	... Aziende Colori Nazionali Affini	<b>Gy</b> ...	... Geigy, J. R., A.G.
<b>AH</b> ...	... Arnold, Hoffman & Co. Inc.	<b>HH</b> ...	... The Geigy Co. Ltd.
<b>BASF</b> ...	... Badische Anilin- & Soda-Fabrik A.G.	<b>IC</b> ...	... Hardman & Holden Ltd.
<b>Br</b> ...	... Brotherton & Co. Ltd.	<b>ICI</b> ...	... Interchemical Corp.
<b>BrC</b> ...	... British Colanese Ltd.	<b>LBH</b> ...	... Imperial Chemical Industries Ltd.
<b>CFM</b> ...	... Cassella Farbwerke Mainkur A.G.	<b>LT</b> ...	... L. B. Holliday & Co. Ltd.
<b>CIBA</b> ...	... CIBA Ltd.	<b>Montecatini</b> ...	... Laporte Titanium Ltd.
<b>DH</b> ...	... Durand & Huguenin S.A.	<b>Montecatini</b> ...	... Montecatini Società Generale per l'Industria Mineraria e Chimica
<b>DuP</b> ...	... E.I. du Pont de Nemours & Co. Inc.	<b>Rhône Poulenc</b> ...	... Société des Usines Chimiques Rhône-Poulenc
<b>FBy</b> ...	... Farbenfabriken Bayer A.G.	<b>S</b> ...	... Sandoz A.G.
<b>FH</b> ...	... Farbwerte Hoechst A.G.	<b>S</b> ...	... Sandoz Products Ltd.
<b>Fran</b> ...	... Compagnie Française des Matières Colorantes	<b>YDC</b> ...	... Yorkshire Dyeware & Chemical Co. Ltd.
General Aniline	General Aniline & Film Corp.		

## A

<b>Abe R</b> and <b>Kuno H</b>	Relation between absorption of liquid and void volume of powdered pigments	...	...	630
<b>Abelin G H</b>	Determination of sodium hydrosulphite in vat dyebaths	...	...	258
<b>Abozin V G</b> and <b>El'tsov A V</b>	Dyeing cotton with Indigosol 04B and Indigosol Grey S	...	...	427
Substantive properties of solubilised vat dyes—II, III...	...	...	...	138
... and <b>Romanova M G</b>	Effect of pH of leuco solutions on oxidation-reduction behaviour of vat dyes	...	...	462
Oxidation-reduction and dyeing properties of vat dyes derived from benzanthrone	...	...	...	464
<b>Abrahart E N</b>	Some recent developments in dye chemistry	...	...	566
<b>Abramova E A</b> , <b>Fedorova E B</b> and <b>Tuchkov B S</b>	Electron-microscopic study of fine structure of viscose fibres	...	...	303
<b>Abramova N I</b>	Relation between chemical structure of vat dyes and influence on photodegradation of fibres	...	...	45
<b>Abrosimova S E</b> and <b>Oshmarina L I</b>	Vat dyeing by acid leuco method	...	...	632
<b>Acheson R M</b> and <b>Turner I</b>	Purple compounds from Ehrlich's reagent and resorcinol derivatives	...	...	435
<b>Ackermann H</b> and <b>Dussy P</b>	Chloropyrimidyl reactive dyes—chemical reactivity and fixability	...	...	101
Constitution and reactivity of trichloropyrimidylamino derivatives	...	...	...	570
<b>Adam F C</b>	Electronic spectra of diphenylmethane dyes	...	...	138
<b>Adams D A W</b>	Intermediates for dye-making and allied industries	...	...	94
<b>Adams R N</b> and <b>Galus Z</b>	Anodic oxidation of triphenylmethane dyes	...	...	627
<b>Aelion R</b>	Nylon 6 and related polymers...	...	...	107
<b>Aenishänslin R</b>	Chromatographic, electrophoretic, and spectroscopic examination of thermosetting resins	...	...	108
<b>Afanas'ev A V</b> and <b>Bloshtein F I</b>	Non-bronzing pigment for leather finishing	...	...	628
<b>Khoroshaya E S</b> , <b>Lykova A N</b> , <b>Plotnikov I V</b> and <b>Samyshkina M A</b>	Chemical testing of flock-printed fabrics	...	...	636
<b>Agadzhanyan Ts E</b> , <b>Maimind V I</b> and <b>Shemyakin M M</b>	Mechanism of para-rearrangement and interconversion of azoxy compounds	...	...	44
<b>Agfa</b>	Duplicate copies of multicolour images	...	...	525
High-gloss drying of photographic papers...	...	...	...	106
1-Phenylpyrazolone derivatives as colour-couplers for magenta dye images	...	...	...	349
Process of and materials for electrophotography...	...	...	...	152
Producing colour separation records with improved colour values in multicolour reproduction	...	...	...	633

<b>Agricola Reg. Trust</b>	Bonding thermoplastic foam to cloth, foils, or the like	...	...	586
<b>Aida G</b> and <b>Mitsubishi M</b>	Relation between activity factor and adsorption of some direct and acid dyes...	...	...	426
<b>Air Reduction Co.</b> , <b>Ohno Y</b> , <b>Osugi T</b> , <b>Suda T</b> and <b>Tanabe K</b>	Polyvinyl alcohol filament of improved affinity for acid and afterchrome dyes	...	...	426
<b>Aizenberg E S</b> , <b>Epshtein S Z</b> , <b>Gorlovskii I A</b> , <b>Shapiro I S</b> , <b>Vedenov G N</b> and <b>Zhigarev S K</b>	Technology of Ultramarine production	...	...	420
<b>Akim I L</b>	Investigating acetylation of cellulose by measuring electrical conductivity of acetylation mixture...	...	...	425
<b>Akimov I A</b> and <b>Kholmogorov V E</b>	Nature of light-induced electron-paramagnetic resonance signal in silver bromide sensitised by cyanine dyes	...	...	592
<b>Albright &amp; Wilson</b>	Flame-resistant agents derived from methylol-phosphorus polymers	...	...	136
Flame-resistant modified cellulose...	...	...	...	363, 634
... and <b>Bradford Dyers' Association</b>	Flame-retardant finish	...	...	155
<b>Aleksandrova I V</b>	Phenylene- and naphthylene-diamine derivatives—I, II	...	...	462
<b>Aleksandrova E M</b> and <b>Tok N D</b>	Determination of dispersity of coloured latices by an optical method	...	...	368
<b>Aleksandrova E S</b> , <b>Berestnev V A</b> , <b>Kargin V A</b> and <b>Razikov K Kh</b>	Structure of oriented polymeric substances	...	...	100
<b>Alexander A L</b> , <b>Cowling J E</b> and <b>Field D E</b>	Effects of ultraviolet radiation on pigmented organic coatings in high vacuum	...	...	630
<b>Alfredsson B</b> , <b>Czarskiwski W</b> and <b>Samuelson O</b>	Action of chlorous acid on hydrocellulose	...	...	310
<b>Algera A</b> , <b>Boasson E H</b> , <b>Kamerbeek B</b> and <b>Kroes G H</b>	Photo-oxidation of nylon 6 and nylon 6.6	...	...	579
<b>Algerino A</b> , <b>Arisi L D'</b> and <b>Casoni D M</b>	Azo dyes from benzoheterocyclic compounds. III—Acid and metal-labile dyes	...	...	44
Azo dyes for synthetic fibres from sulphur-containing benzoheterocyclic rings	...	...	...	186
Azo dyes for synthetic polymers	...	...	...	627
<b>Algie J E</b> and <b>Watt I C</b>	Kinetic studies of wool-water system. III—Mechanism of sorption at high water concentrations	...	...	57
Stabilisation of keratin structure by incorporated water	...	...	...	304
<b>Allan Z J</b> and <b>Chmátl V</b>	Aromatic diazo and azo compounds—XLVIII, XLIX	...	...	569
... and <b>Jarkovský J</b>	Aromatic diazo and azo compounds. XLV—Coupling with isatin derivatives	...	...	347
<b>Panchartek J</b> and <b>Proškočil J</b>	Aromatic diazo and azo compounds. XLVII—Constitutional analysis of sulphonester reactive dyes	...	...	434

PAGE	PAGE
<b>Allan Z J and Podstata J</b> Aromatic diazo and azo compounds. XLVI—Influence of alkalinity and metal ions on rate of coupling. New reagents for detection of Hg, Zn, Ni, and Ag ... ... ... ...	461
<b>Allied Chemical Corp.</b> Absorbers for ultraviolet radiation	
Colouring polyurethane foams ...	41
Dyeing aluminium and its alloys ...	134
Improvements in preparations of organic compounds containing chromophore ...	41
Quinacridone pigments ...	526
<b>Allied Textile Printers</b> Coloured flock effects... ...	255
<b>Al'perovich M A, Tyurina L N and Ushenko I K</b> Cyanine dyes containing unsaturated substituents. X—6-Styrylthiamercocyanines and rhodacyanines with substituents in the polymethine chain ...	528
<b>Alsberg F R and Liquorice W F</b> Flash-age fixation of vat prints using sodium sulphoxylate formaldehyde as reducing agent ( <i>Symposium</i> ) ...	528
<b>Aluminum Co. of America</b> Pigmented coatings on aluminium	
Rendering aluminium receptive to printing inks and lacquers ...	366
<b>Aman A Kh and Chalov N V</b> Hydrolysis of hemicellulosic components of pine wood with 30–36% hydrochloric acid	
<b>Amchem Products</b> Chemical conversion coating of aluminium and its alloys ...	584
<b>Amercoat Corp.</b> Top coating or finish for metal-pigmented alkali-metal silicate coatings ...	298
<b>American Association of Textile Chemists and Colorists</b> Technical committee on research, meetings of... ...	479
311, 480, 591	
„ <b>Southeastern Section</b> Symposium on drying equipment and drying of textiles after wet processing ...	631
<b>American Cyanamid Co.</b>	
Aminoplast resin finish for textiles ...	471
Anhydrite of improved whiteness from off-white gypsum	
Anthraquinone-bis-triazole vat dyes ...	361
Anthraquinone 1,2,4-triazine vat dyes ...	208
Arsenosobenzene and alkali-metal phenyl arsenite as rotproofing agents... ...	592
Benzanthrone anthraquinone acridine vat dyes ...	568
Black solvent dye for ball-pen inks... ...	524
Blue-grey vat dye ...	519
Colour salts of fluorescein-9-ols as infrared absorbers... ...	524
Colouring vinyl aromatic polymers... ...	519
Dipotassium salt of C.I.27290 ...	519
Durable water-repellent finish ...	519
Dyeing nitrogenous fibres with premetallised dyes having an amino group <i>ortho</i> to an azo group ...	519
Fixing agents for direct dyes ...	519
Flame-resistant and/or water-repellent finish ...	519
Graft-polymerised paper ...	519
Heterocyclic polymers as solubilising agents in printing pastes containing solubilised vat dyes ...	519
Imparting crease-recovery properties and dimensional stability to cellulose textiles ...	519
Imparting protection to cellulose against degradation by ultraviolet radiation ...	519
Melamine and triazine resin precondensates as textile finishes ...	519
Naphthalimidotriazinoanthraquinone—blue vat dye ...	519
Nitro and amino-naphtho-triazolequinone intermediates and derived vat dyes ...	519
Nitro-2,3-dihalogeno-1,2,3,4-tetrahydroanthraquinone and derived mononitroanthraquinones... ...	519
Paper of improved stiffness... ...	519
Phosphinic acid compounds—flame-retardant agents ...	519
Pigmented paper ...	519
Polymeric quaternary phosphorus compounds as moth-proofing and antistatic agents ...	519
Printing with vat dyes ...	519
Removing acetate draw threads from resin-treated nylon lace ...	519
Siladiborinanes—intermediates and auxiliaries... ...	519
Stabilising nitrogenous fibres against u.v. radiation ...	519
Stable melamine-formaldehyde resin dispersions ...	519
Surfactant for use on textiles that are to receive or have been given a water-repellent finish ...	519
Titanium dioxide of improved dispersibility ...	470, 578
Vat-dye pastes stabilised with polyvinylpyrrolidone ...	98
Water-repellent finish ...	205
<b>American Enka Corporation</b> Textile lubricant ...	419
<b>American-Marietta Co.</b> Apparatus for testing abrasive properties of photogravure inks... ...	189
<b>American Viscose Corporation</b> Atomiser sleeve for hank-dyeing machine ...	419
Conditioning machine ...	189
Hank-dyeing machine ...	419
Soil-resistant finish for cellulosic fibres ...	189
Soil-resistant finish on rayon ...	419
<b>American Zinc, Lead &amp; Smelting Co.</b> Zinc compounds as tanning agents ...	255
<b>Anand V D, Deshmukh G S and Joseph A</b> Amperometric determination of cobalt as tungstate ...	528
<b>Ancar</b> Sheets or foils having reproductive layer ...	528
<b>Anderegg G</b> Use of electronic computer for solution of problems of complex chemistry... ...	528
<b>Anderson C A</b> Factors affecting recovery of wax from wool scouring liquors ...	528
„ and <b>Poulter I J</b> Aqueous jet scouring of raw wool. I—Factors affecting removal of grease ...	528
<b>Anderson J H</b> Identification of textile fibres ...	528
<b>Ando N, Kobayashi T, Saito K and Tanizaki Y</b> Absorption spectra of dyes. VII—Steric effects and auxochromic effects on complex formation ...	528
<b>Andrews B A K, Arceneaux R L, Frick J G and Reid J D</b> Resistance to hydrolysis of cross-linking finishes for cotton ...	528
<b>Andrievskii V N, Kotlyarevskii I L and Samoilov S M</b> Separate determination of small amounts of ethylene oxide, formaldehyde, and acetaldehyde in mixed aqueous solutions ...	528
<b>Antioch College</b> Acyl hydrazine compositions and producing colour therefrom ...	528
<b>Antoniades E P, Capp G, Chiang E, Klemm L H and Mak E Y K</b> Chromatographic adsorption of azobenzenes and aromatic nitrogen heterocycles on alumina ...	528
<b>Antkýrov A P</b> Preparation of stable pastes of vat and direct dyes ...	528
<b>Anzai H and Nomura Y</b> Synthesis and spectra of aromatic azo compounds. II—Azobenzenecarboxylic acids, methylazobenzene-carboxylic acids and their ethyl esters ...	528
<b>Aoki J</b> Studies on Violanthrone B—I, II	528
<b>Apostolidis A N, Aziz K and Wahba W</b> Moisture relations of cellulose. VII—Heat of wetting of dry viscose rayon and its transition temperature ...	528
<b>Apperley T W J</b> Trends in chemicals and auxiliaries for textile processing and finishing ...	528
<b>Arceneaux R L and Frick J G</b> Cross-linking cotton with dimethylolurethane and alkaline catalyst ...	528
„ <b>Gautreaux G A and Reid J D</b> Carbamate finish for crease-resistant and wash-and-wear cottons ...	528
„ and <b>Fujimoto R A</b> Extent of hydrolysis of formaldehyde-treated cotton ...	528
„ <b>Reid J D and Reinhardt R M</b> Cross-linking cotton with gaseous formaldehyde ...	528
„ and <b>Reid J D</b> Stability of iron ring in wash-and-wear finishing of cotton ...	528
„ <i>See</i> Andrews B A K	528
<b>Archibald D W</b> Treatment of festooned webs ...	528
<b>Archibald L B and Ewing W H</b> Linra Sun-ray test ...	528
<b>Arcoaria A and Bottino F</b> New phthalimide dyes. II—Monoazo compounds related to Naphthol AS from phthalimide and N-phenylphthalimide... ...	528
<b>Ardoullie R</b> Lead silicochromates as anticorrosive pigments... ...	528
<b>Aria L D' and Monte D D</b> Photometric measurement of fastness of dyes ...	528
„ <i>See</i> Algerino A	528
<b>Arient J, Dvorak J and Stepanek V</b> Imidazole dyes ...	528
„ and <b>Marhan J</b> Imidazole dyes. VI—Synthesis and properties of 1,2-naphthobenzimidazole ...	528
„ <b>Matrka M, Sagner Z and Sterba V</b> Mechanism of decomposition of triphenylmethane basic dyes in water... ...	528
„ and <b>Vyskocil F</b> Thioindigo dyes with a thiazole ring ...	528
<b>Arkhipova T N, Kozlova V S, Kryvkova A S and Shmelova L S</b> Crease-resistant finish on cellulosic fabrics ...	528
„ and <b>Kryvkova A S</b> Effect of light, weather, and repeated washing on rayon fabrics finished with Carbamol Ts.E.M. ...	528
<b>Armfield W</b> Quantitative determination of resin finish on fabrics ( <i>Correspondence</i> ) ...	528

GE	PAGE	GE	PAGE				
161		Armitage John L & Co. Textured, leather-like coatings ...	243	161		Badische Anilin- & Soda-Fabrik—continued	248
124		Armordie Plastic sheets or plastic-coated fabrics permeable to air ...	636	124		Anthraquinone dyes with sulphone groups ...	248
41		Armour & Co. Water-repellent finish for cellulosic fabrics ...	106	41		Azamonomethine cyanines—fluorescent brightening agents for polyacrylonitrile and cellulose acetate ...	423
134		Armstrong Cork Co. Coating papermaking and similar fibres	310	134		Ball pen inks ...	578
526		Colour-stable vinyl chloride resin—1,3-butylene adipate lacquer ...	250	526		Basic diazapolyimethine dyes ...	142
255		Arora S K, Jain A C and Seshadri T R Anhydro-base formation from flavilium salts ...	513	255		Basic dyes of perylene series ...	353
528		Arthur J C and Demint RJ Graft polymers of cotton cellulose and acrylonitrile initiated by radiation ...	154	528		Basic mono- and dis-azo dyes having an imidazole residue	192
366		“ and McSherry W F Radiation-induced interaction of acrylonitrile with cyanoethylated cotton ...	64	366		Bleaching cellulose with alkali-metal chlorites ...	148
584		Artym M I and Moryanov P V Structure and affinity of vat dyes ...	244	584		Chromium-containing azomethine dyes ...	422
479		Ašćik K Use of organic acids and esters as activators in chlorite bleaching ...	580	479		1,4-Diaminoanthraquinone-2,3-dinitrile: dye intermediate	571
631		Aslam M and Hussain M Influence of methods of preparation of maleic resins on surface coating properties ...	588	631		Diazapolyimethine dyes for polyacrylonitrile ...	193
471		Asoaka R and Sekiguchi T Studies on Rapideogen dyes. III—Diazoamino compounds synthesised using proline, 5-sulphoanthranilic acid, and phenylglycine as stabilisers ...	347	471		Direct dyes containing methylol groups ...	515
208		Aspland J R, Johnson A and Peters R H Mechanism of dyeing with Procion dyes (Correspondence) ...	453	208		Direct dyes containing sulphonie acid and methylol groups ...	515
585		Associated Electrical Industries Lacquered metal coatings	355	585		Dyeing cellulose in presence of compounds capable of forming aminoplasts ...	523
568		Associated Lead Manufacturers Ceramic pigments and stains ...	630	568		Dyeing with hydrazine derivatives of tetra-aza-porphin dyes ...	522
366		Stabilising paints against thickening or livering ...	355	366		Dyes containing carboxylic acid groups ...	577
139		Associates Discount Corp. Automatically controlling water in dry-cleaning solvent ...	41	139		Hectograph compositions ...	578
311		Atlantic Refining Co. Durable antistatic finish ...	309	311		Highly polymeric quaternary ammonium compounds as thickening agents ...	183
244		Audas F G Dye fixation in a fluidised bed. II—Cellulosic materials	59	244		Improving fastness to rubbing of dyeings and prints ...	523
346		Effect of fluidised-bed heat treatments on fabrics ...	105	346		Levelling agents for basic dyes on acrylic fibres and films ...	135
298		Augusten R Shrinking woven and knitted fabrics and fleeces of non-woven fibres ...	134	298		Metal-complex monoazo dyes for wool, etc. ...	95, 141, 300
204		Autoboard Corp. Stocking boarding machine ...	183	204		Metal-complex monoazo pyrazolone dyes for wool, etc. ...	421
579		Axelrod N N Spectrophotometric attachment for the vacuum ultraviolet ...	67	579		Metallisable azo compounds containing sulphonimide groups ...	140
345		Ayscough P B and Thomson C Electron-spin resonance observations on the reduction of Methylene Blue and related compounds ...	464	345		Monazo reactive dyes for cellulose ...	49
204		Azhar R, Dubash E and Masud K Tanning material from black liquor ...	243	204		New metal complexes of monoazo dyes ...	572
579		Aziende Colori Nazionali Affini	520	579		Pattern Cards ...	180, 292, 459, 561
591		Disazo dyes for polyolefins ...	97, 350, 466, 573	591		Phthalocyanine dyes containing halogenomethyl groups ...	577
584		Dis- and tris-azo dyes for polyolefins ...	422	584		Pigments for plastics, paper, paints, etc. ...	56
633		Dyeing polyolefins ...	307, 474	633		Protective colloids for stabilising aqueous dispersions ...	295
204		Trisazo dyes for polyolefins ...	629	204		Reactive azo dyes containing sulphonhalogenoalkyl-amido groups ...	49
579		Wet grinding of dyes and pigments ...	145	579		Reactive dyes having esterified dihydroxypropyl groups ...	574
308		Aziz K and Wahba M Moisture relations of cellulose. VI—Specific volume of cellulose and its transition temperature ...	520	308		Reactive monoazo dyes having acryloylamino groups ...	96
591		<i>See</i> Apostolidis A N	520	591		Reactive phthalocyanine dyes ...	469
584		Azoplate Corp. <i>p</i> -Quinonediazide sulphonic acids and their derivatives as light-sensitive substances in diazotype processes ...	139	584		Red and yellow monoazo disperse dyes ...	246
633		Azumi T Studies on phosphorescence spectra. I—Phosphorescence spectra of 1- and 2-naphthol ...	529	633		Reducing felting tendency of wool ...	309
183		<b>B</b>	434	183		Resin finish for cellulosic textiles ...	154
259		Babenko A S and Tolmachev V N Complex formation in the system cobalt-nitron-thiocyanate—II ...	432	259		Shrink-resistant finish for wool ...	634
244		Babiarz R S and Hicks A D Imparting crease-recovery, resilience, and mildew-resistance to cellulosic fabric ...	580	244		Soft-grain di- and tri-arylmethane dyes ...	193
299		Babotin V P and Malakhov R A Activation of sulphite wood cellulose by treatment with surfactants ...	512	299		Stabilised printing pastes containing reducing agents ...	104
590		Bachurin M P, Moskaleva R N and Zubakov V M Synthesis of thiazole derivatives. XIX—Benzothiazolylbenzimidazoles ...	252	590		Stable cationic dispersions ...	509
94		<b>B</b>	434	94		Syntans of excellent fastness to light ...	310
347		Badische Anilin- & Soda-Fabrik	432	347		Violet and blue basic dyes ...	97
419		Acid stripping baths ...	252	419		Water-soluble phthalocyanine dyes containing methylol groups ...	423
189		Acrylic fibres having high affinity for dyes ...	100	189		Water-soluble quaternary ammonium salts of monoazo dyes ...	350
63		Adhesive for making bonded-fibre fabrics ...	136	63		<b>Bagdasar'yan Kh S, Kardash N S and Krongauz V A</b>	478
633		Alcohol-water-soluble auramine dyes ...	144	633		Mechanism of protective action of aromatic amines in radiolysis of polymers. Sensitised formation of amine ion-radicals ...	478
233		4-Aminanthraquinone-2,1( <i>N</i> )-1',2'( <i>N</i> )-benzaeridone vat dyes ...	352	233		<b>Bagli J F</b> Infrared spectra of some substituted <i>p</i> -benzoquinones ...	258
		1-Amino-2-halogenophenoxy-4-hydroxyanthraquinones—pink disperse dyes ...	516		<b>Bailey S M and Bruck S D</b> Conductometric determination of thiol groups in swollen polycaprolactam fibres having disulphide and alkylene sulphide cross-links ...	435	
		Anthraquinone disperse dyes for polyesters ...	575, 629		<b>Bajpai L S</b> <i>See</i> Whewell C S	435	
		Anthraquinone dyes for polyesters and polyacrylonitrile	516		<b>Bakh N A, Grishina A D and Larin V A</b> Investigation of the mechanism of radiation-induced oxidation-reduction of Methylene Blue ...	348	
					<b>Balandina M A, Khudyakova T A and Nemtseva L I</b> Chronoconductometric method for determination of ethylene oxide in presence of methacrylic acid and iron salts ...	479	
					<b>Balatum</b> Leather substitute ...	155	
					<b>Balestic F and Magat M</b> Radiochemical synthesis of colorants ...	185	
					<b>Balint A and Reichel J</b> Dye syntheses in the 1,4-benzquinone series—III ...	188	
					<b>Ball J T</b> Observations on identification of seven acrylic fibres (Correspondence) ...	90	
					<b>Ballard W E and Dolder K T</b> Coating substrates with powders ...	160	
					<b>Bamberger R and Gross R</b> New water-insoluble, metal-containing azo dyes produced on the fibre ...	137, 511	

PAGE	PAGE		
<b>Bancroft-Brillotex International</b> Detergent powder for dry-cleaning natural and man-made fibres, woolled skins, furs, etc. ...	243	<b>Belov B I and Kozlov V V</b> Diazotisation of aromatic amines in acetic acid and its substituted derivatives, in saturated carboxylic acids, and in hydroxy-carboxylic acids ...	297
<b>Bancroft J &amp; Sons Co.</b> Improving crease recovery, resilience and mildew resistance of cellulosic yarns and fabrics ...	526	" " <b>Lyand Yu V and Mamaeva E K</b> 1,4-Diaminoanthraquinone azo dyes ...	188
Modified ketone-aldehyde resins as fabric finishes ...	64	" and <b>Nemaya E A</b> Preparation and some properties of evenly dyed non-woven material ...	521
<b>Bank of England</b> Apparatus for transferring designs to printing cylinders and embossing rollers ...	564	<b>Belova L A</b> <i>See</i> Belov B I	
<b>Banthorpe D V</b> Mechanism of benzidine and semidine rearrangements—I, IV ...	567	<b>Belyaeva E N, Dogadkin B A and Fel'dshtain M S</b> Reaction of di-2-benzothiazyl disulphide with rubbers of various structures ...	365
—VI ...	568	<b>Bene C and Biro De A P &amp; Co.</b> Colouring wool, silk, and other nitrogenous fibres without use of dyes ...	360
" and <b>Hughes E D</b> Mechanism of benzidine and semidine rearrangements—II ...	567	<b>Benenti F</b> Dyed chromate on zinc plate to simulate gold ...	632
" and <b>Ingold C</b> Mechanism of benzidine and semidine rearrangements—I, V ...	568	<b>Benerite R R, McKelvey J B and Webre B G</b> Reactions between cotton cellulose and difunctional epoxides ...	63
" <b>Ingold C, Roy J and Somerville S H</b> Mechanism of benzidine and semidine rearrangements—VII... ...	189	<b>Beninate J V, Chance L H, Drake G L and Guthrie J D</b> Durable flame-retardant treatment of cotton with APO ...	475
<b>Barraud J</b> Carotenoids of marigold flowers ...	46	" <b>Drake G L and Guthrie J D</b> Crease-resistant and water-repellent cotton from dimethylethyleneurea-poly-siloxane emulsion treatment ...	526
<b>Barber M S, Jackman L M, Warren C K and Weedon B C L</b> Carotenoids and related compounds. IX—Structures of capsanthin and capsorubin ...	45	<b>Ber. zett J, Mills I and Pearson R W</b> Radiation vulcanisation ...	66
<b>Barker C C and Stamp A</b> Steric effects in di- and tri-arylmethanes. VII—Biphenyl analogues of Crystal Violet and Malachite Green ...	138	<b>Berard W N, Decossas K M, McMillan O J, Patton E L and Pollard E F</b> Formic acid colloid of methylolmelamine resin finishing of cotton for crease- and muss-resistance; preliminary cost study ...	307
<b>Barr C R, Brown G H, Thirlby J R and Weissberger A</b> Indoaniline dyes. IV—Dyes derived from 1-hydroxy-2-naphthamides ...	312	" <b>Leonard E K and Reeves W A</b> Crease- and muss-resistant finish for cotton using formic acid colloid of methylolmelamine ...	307
<b>Barraus R, Colson R, Joly P and Martin R</b> Toxicity of surface-active agents. III—Action of non-ionic substances ...	312	<b>Berch J and Borton D C</b> Some effects of polyethylene treatments on textile properties ...	526
<b>Barrett C B, Dallas M S J and Padley F B</b> Separation of glycerides by thin-layer chromatography on silica impregnated with silver nitrate... ...	479	<b>Berestnev V A</b> <i>See</i> Alekseeva E S	
<b>Barrow Hepburn &amp; Gale</b> Coloured patterns on leather ...	206	<b>Berezin B D</b> Metal phthalocyanines in solution. III—Absorption spectra of phthalocyanines in sulphuric acid ...	46
<b>Barthold A and Capponi M</b> Continuous and semi-continuous dyeing with reactive dyes ...	472	<b>Bergel'son L D, Dyatlovitskaya E V and Voronkova V V</b> Thin-layer chromatography of polyhydroxy compounds on cellulose ...	588
<b>Bartkowicz S</b> Lakes for coated papers... ...	364	<b>Bergen W von</b> Chemical finishing of wool and blended fabrics ...	307
Waterproofing paper strings with urea resin ...	364	<b>Bergman C A and Robinson J J</b> Phosphate ester surfactants in textile processing ...	417
<b>Bashir Ahmad M</b> <i>See</i> Giles C H	433	<b>Bergul G</b> Pad-jig dyeing... ...	581
<b>Basu B C, Nayudamma Y and Ramanathan N</b> Effect of tanning agents on optical birefringence of collagen ...	585	<b>Berk F W &amp; Co.</b> Rotproofing with diarylmercury compounds ...	634
<b>Basu S N, Bose R G and Chakravarty T</b> Fungi associated with deterioration of jute fabrics in weather exposure and in storage ...	585	<b>Bernard M L-J</b> Organic phosphates as activators in chlorine bleaching ...	632
<b>Bataafse Petroleum</b> Polymers with chains containing phosphorus, carbon, and silicon ...	586	<b>Berndt F</b> Fundamental and practical aspects of vat dyeing—I	581
<b>Bates R G</b> Revised standard values for pH measurements from 0 to 95°C ...	257	<b>Berndt G, Gienz O and Kassack F</b> Combination of plastic foams with textiles ...	476
<b>Battista O A and Smith P A</b> Microcrystalline cellulose ...	433	<b>Berry W R</b> New staining technique for study of skin and core of nylon yarn ...	67
<b>Baumann H</b> Heterocyclic azo dyes for polyacrylonitrile fibres ...	630	<b>Bershtain I Ya, Ginzburg O F and Kaminskii Yu L</b> Determination of content of tautomeric ions in solutions of <i>p</i> -aminoazobenzene and its derivatives... ...	588
<b>Baumgarte U</b> Paper-chromatographic investigations of the reaction of reactive dyes with cellulose model substances ...	419	<b>Bersier H, Bersier P, Häusermann J and Hügli F</b> Physico-chemical principles of dyeing process ...	59
<b>Bawn C E H</b> Stereospecific polymerisation ...	456	<b>Bersier P</b> <i>See</i> Bersier J	
<b>Baxter G, Giles C H and Rahman S M K</b> Studies of high fastness to light in colouring matters in hydrophilic substrates ...	102	<b>Bertorff H Maschinenbauanstalt</b> Drive for calenders ...	41
<b>Bee Chemical Co.</b> Suspension of a liquid coating component in nitromethane—multicolour composition ...	355	<b>Bertolina G and Broggi A</b> Printing polyester-cotton union fabrics ...	584
<b>Beek H C A van and Heertjes P M</b> Chemical and photochemical degradation of anthraquinone mordant dyes in methanol—I, II ...	308	<b>Beukers R and Szent-Györgyi A</b> Charge transfer spectra ...	436
<b>Behre B, Bostwick C and Kärrholm M</b> Some fundamental theoretical and experimental aspects of fabric creasing ...	586	<b>Bevington J C</b> Polymers of aldehydes ...	206
<b>Beiertz H</b> Finishing knitted polyamide-fibre shirtings ...	581	<b>Beyer H, Bulka E and Moerner M</b> Selenazoles. III—Oxidation of 2-selenazolylhydrazones to quinoid dyes of the selenazole blue type ...	464
Vat dyeing of circular-knitted fabrics ...	360	" " <b>Patzwaldt H G and Peper F K</b> Selenazoles. II—Quinoid azomethine dyes from 2-selenazolylhydrazones ...	464
<b>Bekiaroglou P and Skoulidis T</b> Kinetics of the ageing of anodic layers on aluminium caused by absorption of dye. II—Higher temperatures... ...	581	" " and <b>Sommer F</b> 1,2,4-Thiodiazolyl-(5)-hydrazines, 1-[1,2,4-thiodiazolyl-(5)]-3-alkyl-(5)-pyrazolones, and azomethine dyes therefrom ...	570
<b>Bekku F</b> Setting of wool fabrics. VI—Suggestions on mechanism of setting of wool fabrics ...	360	<b>Bhargava K P and Deorha D S</b> Studies on quinones. II—Azonaphthols (monophenylhydrazones of 1,4-naphthoquinone) ...	513
Belen'kil L I, Bromberg T V and Kazanskaya M E Radiochemical oxidation of leuco vat dyes ...	520	<b>Bharucha N R</b> Pigments in corrosion protection ...	56
Spectrophotometric quantitative calculation of interaction between dyes and fibres ...	101	<b>Blanco F M Del and Trabacchi G</b> Extraction and identification of synthetic dyes in sweet foods ...	158
Bell D A and Hebbethwaite G Sighting of textile materials ...	101	<b>Bibby T &amp; Co.</b> Supporting hanks in tanks ...	41
Bell J R and Grosberg P Movement of vapour and moisture during falling-rate period of drying of thick textile materials ...	526	<b>Bibikova T T, Bol'shakova N S, Il'yashevich V A and Lopes G S</b> Plant for open-width continuous bleaching of viscose rayon fabrics ...	357
Below B I and Belova L A Wash-fast finish on cellulosic fabrics using a carboxylated resin ...	525	<b>Biener H and Wieland T</b> Red pigments derived from 2-phenyl-4-(5)-imidazolone ...	570
	525	<b>Bigelow-Sanford</b> Printing and dyeing pile fabric ...	253

PAGE	PAGE		
<b>Bigler N</b> Contribution to the microscopy of cotton ... ... ...	367	<b>Bose S M, Joseph K T and Nayudamma V</b> Interaction of collagen with dialdehyde starch... ... ...	156
<b>Bilik I M and Korolev A I</b> Mechanism of dyeing animal fibres	102	<b>Bosshard H H, Jenny E and Zollinger H</b> Amide chlorides as electrophilic reagents: reaction with methides (cyanine formation) and alcoholates ... ... ...	45
<b>Biro De A P &amp; Co.</b> <i>See</i> Behre C		„, and Zollinger H Orientation on azo coupling of 2-amino-diphenylene ... ... ...	187
<b>Bishop J E and Hanke A R</b> New phase in the lead chromate-lead molybdate system ... ... ...	348	<b>Boston Chemical Products Co.</b> Pigment coating composition for paper ...	527
<b>Black W and Ulrich P</b> Catalysis of reaction of Cibaercon dyes with cellulosic fibres—III ... ... ...	582	<b>Bostwick C</b> <i>See</i> Behre B	
<b>Blanc R B Le and Ingram A P</b> Cause of bleach-induced yellowing of cotton finished with tris-(1-aziridinyl)-phosphine oxide ... ... ...	430	<b>Bostwick C O</b> Comparisons of some methods for testing crease recovery ...	532
<b>Blažej A, Tölgessy J and Über M</b> Determination of chromium in chrome liquors by beta-ray reflection ...	368	<b>Bottino F</b> Monoazo dyes from 4-( <i>p</i> -aminophenoxy)-diphenyl sulphide or -diphenyl sulphone and 4( <i>p</i> -aminophenoxy)diphenyl ether ...	626
<b>Bleachers' Association</b> Treating cellulosic textiles with cross-linking agents or resin precursors in presence of an acid catalyst ...	106	„, <i>See</i> Arcoria A	
<b>Blevin W R and Brown W J</b> Light-scattering properties of pigment suspensions ...	68	<b>Bowers G H and Lovejoy E R</b> Cross-linking of Teflon 100 FEP-fluorocarbon resin by radiation ...	529
<b>Blore J, Frishman D and Newman N</b> Fabrics laminated to urethane foam ...	303	<b>Bowes J H</b> Factors affecting stability of chrome leather ...	365
<b>Blochstein F I</b> <i>See</i> Afanas'ev A V		„, and Elliott R G H Tanning with formaldehyde in presence of organic compounds—I, II ...	635
<b>Blout E R, Cohen C, Simmons N S, Szent-Györgyi A E and Wetlauffer D B</b> Conformation-dependent Cotton effect in $\alpha$ -helical polypeptides and proteins ...	198	„, and Raistrick A S Action of heat and moisture on leather—I, III ...	157
<b>Blum A</b> Reducing agents for textile printing ...	243	<b>Boyko N N, Krichevskii G E and Sadov F I</b> Dyeing cellulose with reactive dyes—effect of dye structure on strength of ether or ester bond between fibre and dye ...	251
<b>Blum O</b> Means of evaluating resin-finished fabric ...	480	<b>Bradford Dyers' Association</b> Catalysts for organopolysiloxane finishes ...	136
„, and Schwen G Evaluation of wetting power of surface-active agents without utilising the wetting power ...	107	Silicone water-repellent finish ...	154
Evaluating wetting power without using cloth ...	259	Stencil printing of thick or pile fabrics ...	475
<b>Boardman L J</b> New photometer for visual heterochromatic photometry ...	67	Weft- or width-wise stretching of cloth, paper or the like ...	242
<b>Boasson E H</b> <i>See</i> Algera A		Wet processing of textiles ...	625
<b>Bobeth W, Heger A and Weils A</b> Effect of radioactive radiation on fibrous materials ...	57	„, <i>See</i> Albright & Wilson	
<b>Bochová C van and Zwick M M</b> Crease-recovery of polyvinyl alcohol fibres ...	254	<b>Bradley D F and Stone A L</b> Aggregation of Acridine Orange bound to polyanions—stacking tendency of deoxyribonucleic acids ...	45
<b>Boczkowski D and Zajfert J</b> Colloidal silica for strengthening fabrics ...	363	<b>Bradley W and Hannon J D</b> Reaction of arenesulphonic acids with azo compounds and nitrosonaphthols ...	569
<b>Boehler &amp; Weber</b> Distilling cleaning solvents in drycleaning plants ...	242	<b>Braun D</b> Analysis of plasticisers by thin-layer chromatography ...	258
Recovery of dry-cleaning solvent ...	472	<b>Braun F</b> Use of templates in colorimetry ...	530
<b>Boehme Fettchemie</b> Hardenable condensates containing epoxide groups—antistatic agents, bonding agents for pigments on textiles, and for conferring increased affinity for anionic dyes ...	135	<b>Braun H</b> Effect of formaldehyde on azo dyes containing amino groups in crease-resist finishing with urea-formaldehyde resins—III ...	153
„, and Krajčinovič M Depolymerisation of cotton on application of Aniline Black ...	514	<b>Brauns O and Larsson T</b> High-efficiency hoods in multi-cylinder drying—II ...	633
„, and Krajčinovič M Depolymerisation of cotton on application of Aniline Black ...	304	<b>Bravar M</b> Thin-layer chromatography of amino acids on Kieselgel G—II ...	102
<b>Boillet E</b> Lithographic ink ...	101	<b>Brenner M, Fahmy A R, Niederwieser A and Pataki G</b> Thin-layer chromatography of amino acids on Kieselgel G—II ...	248
<b>Bojadgiev C and Dimov K</b> Spectrophotometric method for determining dye formulas by means of dyed sample ...	630	<b>Bridgeford D J</b> Catalytic deposition and grafting of olefin polymers into cellulosic materials ...	364
Spectrophotometric method of determining dyeing formulas of vat dyes ...	359	<b>Brielmaier H J, Freyer H, Rath H and Rau J</b> Determination of softening agents in synthetic finishes and coatings ...	68
<b>Boldenko A R and Sadov F I</b> Dyeing Nitron pretreated with hydrogen peroxide ...	50	<b>British Celanese</b> Emulsion paints ...	250
Preparation of Nitron for dyeing ...	59	Increasing safe-ironing temperature of triacetate fibres ...	634
<b>Bolotnikova L S and Samsonova T I</b> Solution of cellulose in cadmium-ethylenediamine complex ...	359	Stiffening fabrics of cellulose triacetate fibres ...	64
<b>Bol'shakova N S</b> <i>See</i> Bibikova T T	50	<b>British Cotton Industry Research Association</b> Back-filling of carpets ...	255
<b>Bone Brothers</b> Coating machine for cloth or paper ...	417	Device for measuring energy input to raising rollers of raising machines ...	532
<b>Booth A D</b> The searching question ...	130	Printing with vat and sulphur dyes ...	307
<b>Borchmann W</b> Producing and reproducing colour separation records ...	152	<b>British Nylon Spinners</b> Chlorite bleaching of synthetic polymer fibres containing manganese ...	199
<b>Borelli S</b> Skin compatibility of hair dyes and allied substances	480	<b>British Oxygen Co.</b> Delustering of textiles ...	65
<b>Borodina V N, Mikhailova S S, Taubman A B and Tolstaya S N</b> Adsorption modification of fillers and pigments and formation of structure in polymer solutions ...	480	<b>British Rayon Research Association</b> Dyeing blends of cellulose and hydrophobic fibres ...	201
„, and Kuznetsova S S Dyeing with azo dyes containing methyl sulphate groups ...	427	Dyeing hydrophobic fibres ...	202
„, and Smirnov R P Preparation of phthalocyanines from di-iminoisoindolines ...	256	Fluidised-bed machine ...	508
<b>Borsten H</b> Estimating hydrosulphite consumption during jig dyeing ...	189	Obtaining a fluidised bed by use of suction ...	242
Mercerising of cotton and its effect on crease resistance and crease recovery ...	348	Testing degree of raise of raised fabric ...	312
<b>Borton D C</b> <i>See</i> Berch J	472	<b>British Standards Institution</b> Determination of colour fastness of textiles ...	160
<b>Bose R G</b> <i>See</i> Basu S N	304	Measuring resistance of fabrics to water absorption ...	160, 312
		Methods of test for coated fabrics ...	108
		Quantitative chemical analysis of binary mixtures of acrylic and certain other fibres ...	367
		<b>British Titan Products</b> Grinding of pigments ...	578
		<b>Britt C J and Wagg R E</b> Detergency studies using a radioactive tracer ...	426
		<b>Broderick O J J and Scott F L</b> Intermolecular transfer of a sulphonate acid group ...	462

PAGE	PAGE		
Brogden D Precision of Pfund black and white cryptometer...	150	Calin C, Jonescu E and Suesz A Estimating dispersing properties of surfactants used in dyeing ...	479
Broggi A <i>See</i> Bertolina G		Calvin M, Eastman J W and Engelsma G Free radicals, ions and donor-acceptor complexes in the reaction between chloranil and <i>NN</i> -dimethylaniline to yield Crystal Violet ...	420
Bromberg T V <i>See</i> Belen'kil L I		Campbell B Some observations on dyeing of worsted pieces with chrome dyes ( <i>Communication</i> ) ...	487
Brown A H, Fong W, Miller L A and Whitfield R E Stabilisation of wool fabric by interfacial polymerisation. II—Developmental studies of process variables	431	" and Rushworth J Relation between structure of chrome dyes and effect on wool fibre properties in dyeing ( <i>Communication</i> ) ...	491
Brown G H, Lurie A P, Thirtle J R and Weissberger A Indanolamine dyes ...	188	Canadian Industries Non-cratering copolymer-based enamels	99
" <i>See</i> Barr C R		Canadian International Paper Co. Bleaching cellulosic pulp	148
Brown J J, Hoffman M J and Ruppenicker G F Yarn and fabric properties and processing performance of cotton treated with cross-linking resin ...		Bromine for a bromide as catalyst in bleaching of cellulosic pulp with alkaline hypochlorite ...	357
Brown P K A system for microspectrophotometry employing a commercial recording spectrophotometer ...		Canty B R and Kirkpatrick G P Colour temperature diagram ...	108
Brown W J <i>See</i> Blevin W R		Canty W H, Myers R R and Wheeler G K Drier catalyst activity of 1,10-phenanthroline in organic coatings ...	365
Bruce L R Inc Metal phthalocyanines as peroxide bleaching catalysts ...		Caplan R E, Clope R W and Glaser M A High-temperature-resistant organic coatings ...	157
Bruck S D Determination of methylene groups in disulphide and methylene sulphide cross-links in polycaprolactam fibres ...		Capp G <i>See</i> Antoniades E P	
Disulphide-cross-linked self-crimping polyamide...		Capponi M Causes of tailing in pad-batch dyeing process ...	305
Fibre structure—property relationships. II—Macroscopic deformations of polycaprolactam fibres cross-linked by alkylene sulphide ...		" Giannare A and Metzger E Development of Drimarene class of reactive dyes ...	299
" <i>See</i> Bailey S M		" Merminod J P and Pfister R Dyeing fabrics of polyester fibre and polyester-cellulose fibre mixtures by the Thermofix process ...	103
Brudz' V G, Drapkina D A and Sidenko Z S Investigation of azo dyes, derivatives of 2-aminobenzothiazole ...		" See Barthold A	
Bruning A J Metamerism in coloured paints ...		Carballido A, Olmedo R G, Valdehita M T and Villanua L Synthetic food dyes. VI—Characteristics, properties, spectrophotometry, and circular paper chromatography of prohibited water-soluble dyes ...	434
Brunson M O and Ellis R Polyethylene emulsions—multipurpose fabric finishes ...		Synthetic food dyes. VII—Systematic scheme for identifying water-soluble dyes ...	529
Bruni N A Dispersing of pigments—I ...		Carbonell J Continuous dyeing of nylon stockings ...	359
Bruyère F Hat-milling machine...		Dyeing conditions and practical saturation value of disperse dyes on polyester fibres ...	149
Bryant K C New methods of polymerisation ...		Caribonum Multi-coloured inked ribbons ...	250, 312
Bryant W C and Sherman M P Printing with azoic dyes ...		Carlsson G E Transfer of ink to paper at high printing speeds ...	633
Bubser W Development of grey scale for evaluation of colour fastness ...		Carp E and Zugravescu I Coupling of 2,4-dioxothiazolidine with aromatic diazo compounds ...	297
German colour-fastness test standards as part of the international ISO recommendations (Spring 1962) ...		Carpenter L E & Co. Embossing and printing thermoplastic film ...	525
Buckman Laboratories Barium metaborate pigments ...		Carr W Role of surfactants in paint and printing ink industries ...	197
Budde W Stability of high-pressure xenon lamps ...		" and Fishpool J K Difficulties in the assessment of light fastness ( <i>Correspondence</i> ) ...	502
Bugmann R Latest developments in piece-dyeing with Procion dyes ...		Carroll R, Kahn L and Witnauer L New form of collagen fibril ...	433
Bulka E <i>See</i> Beyer H		Casey R S, Coplan M J, Grove C S and Vodonik J L Developments in fibre technology ...	579
Bull A and Weltzien W Influence of electrolytes on diffusion of direct dyes in cellulose fibres ...		" Grove C S and Vodonik J L Fibres ...	57
Bu'Lock J D, Leeming P R and Smith H G Pyrones. II—Hispidin, a new pigment and precursor of a "fungus lignin" ...		Casoni D D M <i>See</i> Algerino A	
Bundesmann H Testing weather-resistant properties of fire-proofed textiles ...		Casoni D L <i>See</i> Aria L D'	
Burkhard R K Determination of ionisation constants of dyes ...		Cassella Farbwerke Mainkur Dyeing and printing cellulosic materials with halogenacylamino reactive dyes ...	201
Burlington Industries Sock-printing machine ...		Monoazo and disazo reactive dyes for cellulose ...	102
Wet processing of textiles ...	182, 508	Monoazo reactive dyes having two reactive groups ...	209
Burrell H Glass transition in coating formulations ...		Pattern Cards ...	40, 91
Burroughs Corporation Duplicating media using resin-type ink ...		Water-soluble phthalocyanine reactive dyes ...	144
Ink-transfer coating compositions ...	198	Casty R New possibilities for Claphasol process ...	102
Synthetic resin type of ink-transfer compositions ...	56	Cates D M Analytical problems associated with chemical modification of fibres ...	368
Burski C and Trepka E Determination of Aniline Black on the fibre ...		Cednac M Wash-and-wear treatment of wool fabrics ...	585
Bussell K R Painting of wood ...		Celanese Corporation of America Hot vapour treatment in dyeing of cellulose triacetate ...	523
Buswell A G and Watts J T Factors influencing ozone resistance of rubbers and methods of evaluation ...		Printing on cellulose esters of low hydroxyl content ...	475
BX Plastics Embossing polyvinyl chloride and polystyrene sheeting ...		Producing heavy dyeings of good fastness to washing on cellulose triacetate fibres with simultaneous improvement in safe-ironing temperature and other physical properties ...	252
Byk-Gulden Lomberg Chemische Fabrik Fluidising agent for lacquers and other film-forming suspensions ...	197	Centola G Characteristics of cellulose for high-resistance rayon ...	587
Inhibiting settling of pigments and fillers in lacquers ...	146	Central Commercial Co. Colouring surface granules ...	312
<b>C</b>			
Cabot Corp. Aftertreatment of carbon black to improve its performance in ink and rubber ...		Chakravarty A C Crimp produced in jute fibres by treatment with solutions of sodium hydroxide ...	585
Alumina from bauxite ...		Chakravarty T <i>See</i> Basu S N	
Carbon black ...		Chalov N V <i>See</i> Aman A Kh	
Channel black ...		Chamberlin G J, Haupt G W and Judd D B Ideal Lovibond colour system ...	591
Caldwell W A Research and development ...		Champetier G Formation of macromolecular chains (new methods of textile chemistry research) ...	256
Calico Printers' Assocn. Aminoplast finish on cellulosic textiles ...			
Smooth-drying cellulosic fabrics ...			
California Ink Co. Conditioning organic pigments ...			

GE	PAGE	PAGE
479	<b>Chance L H, Leonard E K and Reeves W A</b> Treatment of cotton with formaldehyde in calcium chloride solutions ... 585	<b>CIBA—continued</b>
480	... <i>See</i> Beninate J V	Anthraquinone disperse dyes with triazinyl radicals ... 468
481	<b>Chandler R H</b> Role of pigments in protective coatings ... 630	Anthraquinone and perylene tetracarboxylic acid diimide vat and disperse dyes and pigments containing a triazine residue ... 468
482	<b>Chang C-L, Li S-H and Yin Y</b> Synthesis of Soluble Blue ... 463	Anthraquinone pigments containing triazinyl radicals ... 467
483	<b>Chao Y-P and Yun K-H</b> Dyes containing furan rings. I—Synthesis of 1-( <i>p</i> -sulphophenyl)-3-( <i>α</i> -furyl)-5-pyrazolone ... 463	Anthraquinone vat dyes ... 301
484	<b>Charreau P A J</b> Dry-cleaning and water-repellent finishing... 148	Anthraquinonoid pigments ... 97, 194
485	<b>Chatterjee J N, Guha S K and Mitra A K</b> Indigo vat dyes of the isatin series—XI ... 245	Applying fluorescent brightening agents to acrylic fibres ... 306
486	Studies of thioindigo and related compounds—III ... 189	Azo and anthraquinone triazine reactive dyes ... 515
487	<b>Chauhan J S and Tandon S P</b> Colour and constitution of dyes obtained from succinic acid and its derivatives ... 348, 511	Azo reactive dyes ... 49, 299
488	<b>Cheetham R C</b> Scouring and dyeing blends for the carpet trade ( <i>Lecture</i> ) ... 15	Azo dyeing of cellulosic fibres ... 583
489	( <i>Erratum</i> ) ... 108	Azo compounds for protecting polyamide fibres against ultraviolet degradation ... 147
490	<b>Chekalin M A, Galbraikh L S and Rogovin Z A</b> Method of producing dyed cellulose acetate polymer and fibres ... 631	Basic metal-complex monoazo dyes ... 140
491	... and <b>Virnik A D</b> Reaction between polyamide fibre and vinyl sulphone reactive dyes ... 359	Basic monoazo dyes from 2-amino-benzothiazoles ... 421
492	Reaction of reactive dyes with <i>α</i> -amino acids ... 427	Benzidithiylum salts and dyes ... 576
493	Reaction of reactive dyes with <i>α</i> -amino acids and with silk ... 60	Blue soluble monoazo dyes for cellulose acetate, etc. ... 572
494	... <i>See</i> Tschekalin M A	Brown nitro pigments for colouring rubber and plastics... 514
495	<b>Chel'tsov V S and Kheinman A S</b> Colour development ... 463	Colour photographs by the silver-dye bleaching process... 104
496	<b>Chemische Fabriek "Andrelon" N.V.</b> Liquid surface-active amine salts of acid sulphates ... 295	Coloured polyurethane plastics and dyes therefor... 257
497	<b>Chemische Fabriek L van der Grinten</b> Diazotype material One-component diazotype material ... 253	Coloured polyurethanes and polyesters ... 310
498	<b>Chemische Werke Witten</b> Mixtures of pentachlorophenol and its esters with fatty acids for rotproofing textiles... 429	Conditioning diazoxine pigments ... 353
499	<b>Chemstrand Corporation</b> Aqueous chloral hydrate as solvent for polyvinylpyrrolidone... 509	Delustering polyamide fabrics ... 155
500	Aqueous 1,1,1-trichloro-3-nitro-2-propanol as solvent for polypyrrolidone ... 566	Derivatives of 4,4'-diaminostibenedisulphonate— fluorescent brightening agents ... 143
501	Enhancing antistatic properties of acrylic fibres... 566	Derivatives of dyes and aminoplast precondensates ... 353
502	Phytic acid as solvent for polyamides and polyurethanes Solvent for polyamides and polyurethanes ... 566	1,4-Diaminoanthraquinone-2-arylketones— vat dyes ... 194
503	<b>Cherkesov A I</b> Mechanism of complex formation between ions of some divalent metals and azo derivatives of 8-hydroxyquinoline... 346	4,4'-Diamino-1,1'-dianthraquinonyl— red pigment ... 195
504	<b>Chernavina M S</b> Chloraminometric determination of dyes ... 158	Diaminodianthraquinones— pigments and intermediates ... 248
505	<b>Chernomordik A Z, Kuznetsova A P and Yakimov G I</b> Use of hydrogen peroxide in preparation of printing pastes from starch ... 43	1,4-Di(arylamino)anthraquinones— vat dyes ... 248
506	<b>Chernyakovskii F P, Machtina K A and Musabekov Yu S</b> Free-radical forms of triphenylmethane dyes ... 138	2,5-Di[benzimidazyl-(2')]-furanes— fluorescent brightening agents ... 249
507	<b>Chernyuk I N, Kornuta P P and Plyugin G T</b> Styryl dyes from N-aryliquinolindinium salts ... 570	$\alpha$ -Dibenzoxazol-2-ylethylene— fluorescent brightening agents ... 629
508	... and <b>Plyugin G T</b> Styryl dyes from derivatives of 1-aryl-quinolindinium salts ... 464	Dioxazine dyes and pigments ... 143
509	Synthesis of 1- <i>p</i> -chlorophenyl-5,6-benzoquinolindine salts and their transformation into cyanine dyes ... 512	Dioxazine pigments ... 575
510	<b>Chiang E</b> <i>See</i> Antoniades E P	Disazo disperse dyes fast to light and sublimation ... 573
511	<b>Chicopee Manufacturing Corporation</b> Inhibitor of gas-fume fading ... 428	Disazo disperse dyes for polyesters... 51
512	Stable aqueous dispersion of a high-molecular-weight methylolamide—water-repellent agent ... 136	Disazo reactive dyes for cellulose ... 192, 573
513	<b>China Dyeing Works</b> Scouring fabrics of cellulose or man-made fibres ... 148	Dyeing cellulose with vat dyes ... 473
514	<b>Chitale A G</b> <i>See</i> Mehta H U	Dyeing cellulose with water-soluble vat dyes ... 583
515	<b>Chmatal V</b> <i>See</i> Allan Z J	Dyeing cellulose triacetate with 1:2 Cr or Co complexes of monoazo dyes free from sulphonate groups ... 150
516	<b>Christofferson K and Samuelson O</b> Hot alkali treatment of hydrocellulose from mercerised cotton ... 631	Dyeing cellulosic fibres ... 473
517	<b>Chuzh E I and Domoroslov S P</b> Open-width scouring of wool and wool-mixture fabrics ... 632	Dyeing nitrogenous fibres ... 103
518	<b>CIBA</b>	Dyeing nitrogenous fibres with 1:2-metal complexes of azo dyes ... 474
519	Acedianthrone vat dyes ... 53	Dyeing nitrogenous fibres with reactive dyes ... 60, 523
520	Acid esters of amino polyethylene glycols—levelling agents for wool dyes ... 252	Dyeing nitrogenous fibres with sulphonated copper phthalocyanines ... 306
521	5-Acylamino-1,9-isothiazoleanthriones— disperse dyes for polyester fibres ... 517	Dyeing nylon with 1:2 metal-monoazo dye complexes ... 150
522	Acylated $\alpha$ -dihydroxydiaminoanthraquinones— disperse dyes for polyesters ... 97	Dyeing or printing with aid of aminoplasts ... 61
523	Alkylphenylhalogeno triazines— vat dye intermediates... 140	Dyeing or printing nitrogenous fibres with 1:2 metal-complex dyes ... 360, 428
524	1-Amino-2-cyano-4-alkylaminoanthraquinones— disperse dyes for polyester fibres ... 352	Dyeing and printing with vat dyes containing an acyl residue ... 302
525	Anthraquinone basic dyes for acrylic fibres ... 248	Dyeing wool with 1:2 metal complexes of azo dyes ... 583
526	Anthraquinone disperse dyes ... 194	Dyes for mass coloration of synthetic polymers ... 140
527	Anthraquinone disperse dyes for polyesters ... 247	Dyes of 2,3-phenylolypyrrrolidine series ... 575
528		Fluorescent brightening agents for polyamides ... 98
529		Furan derivatives— fluorescent brightening agents and dye intermediates ... 518
530		Heterocyclic dyes and pigments for mass coloration derived from benzanthrone ... 352
531		Hydroxyketones as ultraviolet absorbers and dye intermediates ... 95, 345
532		Improving the wet fastness of reactive dyes ... 60
533		Increasing wet fastness of reactive dyeings on wool ... 150
534		Laminated structures ... 156
535		Linear quinacridones and dihydroquinacridones... 517
536		Mass coloration of viscose rayon fibres and films... 103
537		Metal-complex disazo reactive dyes ... 246, 422, 466
538		Metal-complex monoazo dyes for polyacrylonitrile fibres ... 48
539		Metal-complex monoazo reactive dyes ... 140, 246, 421, 465, 628
540		Metal-complex triazine monoazo reactive dyes ... 299
541		Modifying properties of hydroxyl fibrous materials ... 154
542		Monoazo disperse dyes ... 48, 140
543		Monoazo disperse dyes from 2-aminothiazoles ... 141
544		Monoazo dyes produced on the fibre from diazo or coupling components which react with cellulose ... 300
545		Monomeric polymerisable ultraviolet absorbers ... 510

CIBA—continued	PAGE	PAGE	
Non-flocculating phthalocyanine pigments	353	Clark J J, Felton C D and Thomas E J Ultraviolet microscopy	
1,3,4-Oxadiazoles—light-screening agents	94	of fibres and polymers	250
Pad dyeing and printing of blends of cotton and polyester			
fibres	61	Clarke F E Industrial re-use of water	295
Pattern Cards	180, 459	Clerc J T, Sauter W, Simon W and Sommer P F Rapid	
Perylene tetracarboxylic acid di-imide dyes and pigments	194	micro determination of carbon and hydrogen	433
Phthalocyanine reactive dyes containing epoxide or			
$\alpha\beta$ -halogenohydrin groups	55	Clifton B V Coating of metal with polyvinyl chloride	205
Pigments derived from urea	300	Clope R W See Caplan R E	
Polymer-dye reaction products	516	Clupack Replacing endless flexible blankets in compressive	
Protecting cellulose fibres against climatic influences	476	shrinking, printing, etc. machines	41
Protecting synthetic-polymer fibres against ultraviolet			
radiation	106	Coates E and Rigg B Physico-chemical properties of Solochrome	
1,9-Pyrazoleanthrones for mass colouring polyethylene		Violet R and its metal complexes (Communication)	612
terephthalates, polyamides and polyolefins			
Pyrene—quinone reactive dyes for cellulose	248	Cocker Machine & Foundry Co. Continuous wet processing	
Quaternary ammonium salts of monoazo dyes	97	of yarns and fabrics	182
Quinacridone pigments	246	Controlling the stretching of fabric	508
Quinacridone from 6,13-dihydroquinacridones	469	Coenen M Polymethine dyes from ketones and carboxylic	
Reactive mono- and dis-azo dyes	195	acid amides of 1,3,3-trimethyl-2-methyleneindoline	420
Reactive monoazo dyes having $\beta$ -halogenopropionyl-		Vinylogue reactions of heterocyclic enamines	420
amino groups	141	„ and Riester O Light absorption of branched polymethine	
Readily dispersed diazoxy pigments	96	dyes	420
Red monoazo pigments containing pyrene residues	143	Cohen C See Blout E R	
Resin finish not tending to yellow when repeatedly			
chlorinated			
Silver dye bleach process for producing colour photo-			
graphs			
Simultaneous dyeing, printing and resin-finishing	191	Cohen J and Gibson W A Vector model for colour sensations	531
Softening agent	634	„ and Sandor A Precision method for determination of pore	
Stabilising dihalogenotriazine dyes	360	structure by photographic photometry	66
Stable aqueous dispersions of pigments	295	Cole J H and Sarel Whitfield F G Comparison of principal	
Stable aqueous pigment preparations containing water-		test methods for evaluating mothproofing agents	591
insoluble hardenable resins for pigment dyeing and			
printing	62	Collins & Aikman Corp. Coated three-dimensional fabric	206
Stripping off or levelling of fluorescent brightening agents		Ornamental effects on pile fabrics	65
on synthetic-polymer fibres			
Supersensitised photographic layers for silver-dye bleach		Producing fabrics having depressed surface areas	363
process			
1,3,4-Thiadiazoles—fluorescent brightening agents, ultra-			
violet absorbers, and dye intermediates			
Thiophene derivatives as fluorescent brightening agents			
and dye intermediates			
Tone-in-tone effects with reactive dyes on cellulose and			
polyvinyl alcohol fibres			
Triazinylaminoanthraquinone reactive dyes	518	Colson R Toxicity of surface-active agents. II—Action of	
Ultraviolet radiation absorbers	423	cationic-active agents on skin and the body organism	312
Vat dyes of dibenzanthrone series	296, 510	„ See Barras R	
Water-soluble anthraquinone reactive dyes	517	Columbia Ribbon & Carbon Manufacturing Co. Ink-	
Water-soluble dyes containing unsaturated carboxylic		receptive coating composition for application to	
acid residues		impermeable plastics	520
Water-soluble dyes and vat dyes containing pyrimidine		Inks for making transfers	578
residues		Thermographic copying paper	62
Water-soluble epoxide compounds for treating cellulose			
and other hydroxyl-containing fibres			
Water-soluble heterocyclic reactive dyes	573	Columbia-Southern Chemical Corp. Bleaching sized	
Water-soluble phthalocyanine reactive dyes	566	cotton fabrics	471
Water-soluble reactive acridone, thioxanthrone, and		Coated paper	528
thioxanthrone-S-dioxide dyes		Finely powdered silica	145
Water-soluble reactive dyes containing halogenacyl-		Titanium dioxide	56
amino groups		Columbian Carbon Co. Apparatus for dispersing carbon	
Water-soluble reactive dyes containing isothiocyanate		black in liquids	134
groups		Carbon black	56, 99, 196, 577
Water-soluble reactive dyes of the peridicarboxylic acid		Carbon black having low oil absorption	145
imide series		Furnace black	303
Water-soluble reactive dyes from polycyclic hydrocarbons		Colwell C E and Rixon W E Considerations in use of non-	
Water-soluble reactive <i>s</i> -triazine dyes containing thio-		ionic surface-active agents	295
glycolic acid residues		Commercial Solvents Corp. $\beta$ -Carotene	518
Water-soluble salts of anthraquinone dyes	190	Commonwealth of Australia Electrostatic printing of	
Yellow dyes for use in photographic materials	517	patterns on cloth	307
Yellow monoazo direct dyes	572	Commonwealth Engineering Co. Antistatic agents	345
Yellow and orange disazo disperse dyes		Textile sizes containing dextran	345
CIBA (A R L) Esters containing epoxide groups	195	Communications Patents Marking thermoplastic materials	307
CIBA Clayton Pattern Cards	566	with pigment metals	
Ciceron H Behaviour of organic and mineral pigments in		Compagnie Française des Matières Colorantes	
aqueous dispersions of high polymers		Blue anthraquinone disperse dyes	516
Cigén R Rate of protolysis of sulphonated triphenylmethane		Disperse azo dyes containing sulphonyl groups	572
basic dyes		Disperse dyes for polyester fibres	146
Cini L Reactions between $\text{SiO}_2$ , $\text{ZrO}_2$ , and $\text{V}_2\text{O}_5$ ; their relation-		Dyes from perimones	53
ship to the formation of pigments		Metal-complex monoazo dyes for wool, etc.	191
Clark C O A S D C Examination Papers (Correspondence)	192	Metal-complex monoazo dyes for wool, nylon, etc.	47
	566	Metal-complex monoazo wool dyes from thionaphthene	191
	561	Metallised and metallisable monoazo dyes	572
	145	Monoazo dyes for polyacrylonitrile fibres having	
	138	hydrolysable <i>N</i> -sulpho groups	571
	120	Naphthylene-benzimidazole dyes	54
	566	Pattern Cards	91
	561	Stabilised azoic compositions	574
	145	Yellow disperse dyes for polyester fibres	466
	138	Compagnie de Saint-Gobain Imparting metallic lustre to	
	120	glass	532
	566	Cone Mills Corporation Woven fabric	363
	561	Congoleum-Nairn Decorative plastic sheets	588
	145	Decorative plastic surface covering and linoleum	
	138	Imparting dimensional stability to felt-backed surface	
	120	coverings	363
	566	Consolidated Mining & Smelting Co. of Canada In-	
	561	creasing the wet strength of cellulosic material	527

PAGE	PAGE	PAGE
259	<b>Continental Carbon Co.</b> Apparatus for making carbon black	507
295	Apparatus for making carbon black from any type of hydrocarbon	564
433	Carbon black	629
205	Carbon black plant	182
	Carbon black plant and process	354
	Oil black	470
41	<b>Conway J V P, Crown D A and Kirk P</b> Differentiation of blue ball-point inks	...
612	<b>Cooper A S, Cruz-Lagrange M D and Hamalainen C</b> Preparation and evaluation of selected aliphatic acid esters of cotton fabric	...
182	“ <b>Hamalainen C and Wade R H</b> Weathering of chemically modified cottons—effect of unsaturated groups	...
508	<b>Cooper D N E</b> Absorption of water by cellulose at very low humidities	...
420	<b>Coplan M J</b> <i>See</i> Casey R S	
420	<b>Copolymer Rubber &amp; Chemical Corp.</b> Suspensions of carbon black in water and in rubbery polymers	...
531	<b>Corbett W M and McKay J E</b> New approach to unambiguous cross-linking of cellulose	...
66	“ and <b>Taylor W</b> Cross-linking of cellulose and its derivatives—V	...
591	“ and <b>Winters D</b> Cross-linking cellulose and its derivatives—IV	...
206	<b>Corbière J</b> Technological problems of fibre formation (molecules in search of author)	...
65		
363	<b>Corn Products Co.</b> Minimising redeposition of soil during laundering	...
312	<b>Corteen H</b> Attainment of minimum-iron properties in cellulosic materials	...
	<b>Courtaulds</b>	
529	Bonding rayon to rubber	...
578	Cake-washing apparatus for viscose rayon threads	...
62	Caustic treatment of the rayon pile of tufted carpets	...
	Coated cloth for garments to give protection against sparks, hot or molten metal, or the like...	...
471	Colouring textiles	...
528	Delustring triacetate fibres	...
145	Drum drying of tow	...
56	Dyeing pile fabrics	...
134	Fabrics having pockets or depressions therein	...
56, 577	Improving handle of carpet yarns containing rayon	...
145	Mass coloration of viscose	...
303	Needed pile fabrics having a coloured pattern	...
	Preventing discoloration of acrylic fibres during treatment in hot aqueous baths	...
295	Regenerated protein fibres	...
518	<b>Cowan J C, Kubie W L, Schwab A W, Stolp J A and Teeter H M</b> Linseed-oil emulsion paints with increased stability to driers and pigments...	...
307	<b>Cowling J E</b> <i>See</i> Alexander A L	
345	<b>Cox Jennifer</b> Unilateral colour deficiency, congenital and acquired	...
307	<b>Cox P D and Williams G T</b> Drying phenomena experienced with alkyd resins based on soya bean oil	...
516	<b>Craemer K and Zaumbrecher H</b> Nature and technique of flock printing	...
572	<b>Crespi H L, Katz J J, Strain H H and Thomas M R</b> Evidence for exchangeable hydrogen in chlorophyll	...
140	<b>Crompton &amp; Knowles Corp.</b> Improving draping qualities, handle, and dimensional stability of textiles and other sheet materials	...
191	<b>Crooks A E</b> Colour fastness	...
572	<b>Crosby N T, Higgs D G, Reed R, Stainsby G and Ward A G</b> Preparation and properties of solubilised collagen	...
54	“ and <b>Stainsby G</b> Thermal stability of dissolved collagens	...
91	<b>Cross E J</b> Identification of sulphonate acid reduction products of azo dyes. II—Sulphonate acids of 1-amino-2-naphthol ( <i>Communication</i> )	...
574	<b>Crown D A</b> <i>See</i> Conway J V P	
363	<b>Cruz-Lagrange M D</b> <i>See</i> Cooper A S	
588	<b>Cunningham F G</b> Spotlight on dyehouse costs	...
311	<b>Cusveller L</b> Paper-chromatographic identification of resin finishes and their precondensates	...
363	<b>Cuzzoni M T</b> Food additives permitted in Italy. Electrophoretic determination of synthetic dyes	...
527	<b>Czerwinsky W</b> <i>See</i> Alfredsson B	
	<b>D</b>	
	<b>Dahl S</b> Colorimetric determination of 5,6-dichloro-2-benzoxazolinone in leathers	...
	“ and <b>Kaplan A M</b> 5,6-Dichloro-2-benzoxazolinone as a leather fungicide	...
	<b>Dallas M S J</b> <i>See</i> Barrett C B	
	<b>Dandekar S D and Giles C H</b> Supplement to identification scheme for textile finishing agents on fibre: tests for new agents...	...
	“ <i>See</i> Giles C H	
	<b>Danilov S N, Plisko E A and Pyalinen E A</b> Esters, ethers, and reactivity of cellulose and chitin	...
	<b>Dannemiller M C, Nimeroff I and Rosenblatt J R</b> Variability of spectral tristimulus values	...
	<b>Daruwalla E H, Kaulgud M R and Nabar G M</b> Dyeing protein and polyamide fibres with lac dye	...
	<b>Das Gupta S, Rowat D L and Slobodian J T</b> Radiation-induced graft copolymerisation of styrene and nylon	...
	<b>Datye K V, Nabar G M and Shroff G G</b> Oxidation of cotton cellulose in presence of direct dyes	...
	<b>Dave K G, Telang S A and Venkataraman K</b> Colouring matters of the wood of <i>Artocarpus integrifolia</i> —II	...
	<b>Davidek J, Janicek G and Pokorny J</b> Detection and determination of fat-soluble food dyes with the aid of thin-layer chromatography on alumina	...
	<b>Davidson A N</b> Modern shrink-resist finishes for wool	...
	“ and <b>Howitt F O</b> Development of methods for production of durable creases and crease resistance in wool fabrics	...
	<b>Davidson H R</b> AATCC Research. II—Report of Colour Committee	...
	<b>Davies J E and Laughlin R D</b> Capillary absorption in fibrous textile wicking	...
	<b>Davies W E R and Wyszecki G</b> Physical approximation of colour-mixture functions	...
	<b>Davis A E, Johnson A J and Mizell L R</b> Influence of surfactants in the acid bath on loss in strength of carbonised wool	...
	“ <b>Mizell L R and Oliva E C</b> Critical study of wool carbonising	...
	<b>Davis C</b> Non-staining triphenylmethane pigments for use in recording inks and copy papers	...
	<b>Davis F V</b> Bleaching: an introductory paper	...
	<b>Davis R C, Martin A R and Schwartz W J</b> Influence of calcium on the adsorption of sodium dodecylbenzenesulphonate by cotton	...
	<b>Davison S, Smith B F and Smith F</b> Determination of cellulose in textile fibres	...
	<b>Decosse K M, Patton E L and Vix H L E</b> Estimated costs and in-service evaluations of chemically modified cotton fabrics	...
	“ <i>See</i> Berard W N	
	<b>Deering Milliken Research Corp.</b> Dimensionally stable and flat-drying finish for cellulosic textiles	...
	Flat-drying cellulosic fabrics	...
	Improving handle, abrasion resistance, and alkali solubility of halogenated wool	...
	Stable aqueous emulsions of phenylphenols as assistants in disperse dyeing of polyester fibres	...
	<b>Deichmeister M V, Meshkovskii Yu Sh, Spasokukotskii N S and Zhilina L D</b> Absorption spectra of dimerocyanines, derivatives of imidazolidinone-(4)	...
	<b>Delmenico J and Peters R H</b> New approach to Donnan distribution of ions between wool and aqueous solutions	...
	<b>Demchenko P A</b> Effect of electrolytes on critical micelle concentration and solubilising power of sodium laurate solutions	...
	Effect of molecular weight of sodium naphthenates and of synthetic fatty acid salts upon the solubilisation of hydrocarbons	...
	“ and <b>Dumanetskii A V</b> Effect of lyophilic colloids on solubilisation of hydrocarbons in detergent solutions	...
	Effect of phosphates and polyphosphates on solubilising ability of detergents	...
	<b>Demint R J</b> <i>See</i> Arthur J C	
	<b>Demus H</b> Colorimetric estimation of hemicellulose in lye	...
	<b>Dennison Manufacturing Co.</b> Heat transfer	...
	<b>Deorah D S</b> <i>See</i> Bhargava K P	
	<b>Depoorter H, Dormal A van and Nys J</b> Phosphorus-containing dyes	...
	<b>Deshmukh G S</b> <i>See</i> Anand V D	

PAGE	PAGE		
<b>Deutsche Gold- und Silber-Scheideanstalt</b> Oxidation of carbon black ... ... ... ... ...	470	<b>Dow Chemical Co.</b> Carrier for disperse dyeing ... ... ... ...	428
Silicic esters as stabilisers in hydrogen peroxide bleaching baths ...	305	Coating and printing with pigmented cationic polymers ...	146
<b>Devassy T J and Nayudamma Y</b> Electrophoretic method for separation and estimation of chrome-complex fractions	434	Cross-linked <i>N</i> -vinyl-3-morpholine copolymers as dye-assisting adjuvants for synthetic, linear hydrophobic polymers ...	580
<b>Devyatova N I, Ioffe I S and Roskulak L A</b> Sulphoacids of fluorescein. I—Condensation of sulphonphthalic acids with resorcinol ...	571	Detergents containing an anti-redeposition agent ...	243
<b>Dewar J H and Shaw G</b> New method for study of <i>N</i> -terminal residues in proteins ...	67	Dry-cleaning solvent containing halogenoalkyl-diphenyl oxide sulphonates ...	472
<b>Diamond Alkali Co.</b> Alkaline-earth-metal-carbonates ...	249	Dyeable graft copolymers ...	580
Tanning with lignin sulphonate acid-chromium reaction product ...	478	Dyeable grafted polyolefins ...	100
<b>Dick A B &amp; Co.</b> Preparation of spirit- and hectograph-type masters by a photographic technique ...	62	Grafted polyesters having good dyeing properties ...	150
Water-base stencil duplicating ink ...	198	Improving dyeability of fibres or articles made of cellulose esters ...	631
<b>Dick J and Drugarin C</b> Photometric determination of iron in certain surface-active agents ...	366	Modification of cellulosic textiles, films and the like ...	526
<b>Dickenson J</b> Water-dispersed pigments, molybdate red, and titanita-based colours ...	245	Modified acrylic fibres having increased shrinkability and dyeability ...	58
<b>Dickinson C L, Martin E L and Roland H R</b> 4-(2-Cyano-3-maleimidyl)arylamines and related coloured compounds	186	Rendering cellulosic materials flame-resistant ...	477
<b>Dietz V</b> Dry-printing ink ...	57	<b>Dow Corning Corp.</b> Antifoaming agents ...	296
<b>Diggle W M</b> Industrial dermatitis ...	338	Coating for printed paper ...	310
<b>Dijkstra R, Jonge J D and Lammers M F</b> Kinetics of reaction of phenol and formaldehyde ...	433	Printing paste ...	361
<b>Dillmann G</b> Use of Remazol dyes in two-phase printing ...	428	Tanning leather ...	66
<b>Di Modica G and Rivero A M</b> Chromatographic separation of biflavonoid compounds ...	258	Treating glass to give it affinity for acid dyes and improve its adhesion with organic resins ...	104
<b>Dimov K, Gvosdieva R, Kaltchev B and Valtchewa R</b> Influence of intermolecular changes in maize starch upon its behaviour as a thickening agent for printing with vat dyes ...	428	<b>Dow R T, Lieberman E and Turiansky I</b> Dyeing surgical sutures of polyethylene terephthalate ...	104
„ and <b>Mikhailova S</b> Reserve effects on insoluble azo dyes using reducing agents ...	61	<b>Downes J G</b> Apparatus for rapid and precise determination of dry weight of wool samples ...	589
„ <i>See</i> Bojadliev C	428	„ and <b>McMahon G B</b> Use of unheated air in wool drying ...	63
<b>Diorio A F, Halpin J C, Mandelkern L and Posner J</b> Dimensional changes in fibrous macromolecules—the system $\alpha$ -keratin-lithium bromide ...	157	<b>Downing G V and Whitmore L M</b> Combined tannin of vegetable-tanned hide powder ...	587
<b>Dithmar K</b> and <b>Naujoks E</b> Caroate, a salt of monoperoxy-sulphuric acid—use in bleaching ...	425	Factors influencing determination of water-soluble matter in leather ...	160
<b>Dkhariya Ch D, Finkel'stein M Z and Timokhin I M</b> Manufacture of carboxymethyl ethers of cellulose ...	471	<b>Drake G L, Guthrie J D and Hobart S R</b> Crease-resist treatment of cotton with APN ...	633
<b>Dmitrieva O A, Potapova N P and Sharkov V I</b> Occlusion by cellulose after pretreatment in liquid ammonia	364	„ <i>See</i> Beninate J V	
<b>Dobrosl'skaya N P and Rudenko A P</b> Rôle of complex-forming additives in synthesis of phthalocyanines ...	206	<b>Drapkina D A</b> <i>See</i> Brudz' V G	
<b>Dogadkin B A and Dontsov A A</b> Interaction of polyethylene with sulphur ...	189	<b>Dratz E A, Kelly P W and Ramette R W</b> Acid-base equilibrium of Methyl Red ...	568
„ <b>Fel'dstein M S and Skorodumova Z V</b> Effect of carbon black on kinetics of vulcanisation and character of sulphur structures in vulcanisates ...	157	<b>Drew E F &amp; Co.</b> Stable detergent compositions for wool scouring ...	42
„ <b>Fogelson M S, Kashlinskii A I and Tarasova Z N</b> Effect of $\gamma$ -radiation on reaction of sulphur with rubber ...	256	<b>Drisch N</b> Structure of polyinosic fibres ...	303
„ <i>See</i> Belyaeva E N	256	<b>Drobek R</b> Finishing of sewing thread ...	525
<b>Dogadkina L A and Klyuev V N</b> Use of bis- <i>p</i> -hydroxy-phenylalkanes as coupling components in azoic dyeing	251	<b>Drugarin C and Simionescu T</b> Titrimetric determination of a mixture of sulphonic and sulphuric acids in industrial sulphonates ...	366
<b>Dokunikhin N S and Gerasimenko Yu E</b> Thioindigo dyes—VII, VIII ...	139	„ <i>See</i> Dick J	
<b>Dolder F, Hartmann E and Staub W</b> Ski-elastic fabric—manufacture and finishing ...	356	<b>Dubash E</b> <i>See</i> Azhar R	
<b>Dolder K T</b> <i>See</i> Ballard W E	251	<b>Dubinin M M, Romanova D M, Tager A A and Tsilipotkina M V</b> Formation of microporous structure during thermal decomposition of Saran ...	478
<b>Dombrovskii A V, Ganushchak N I, Gutsulak B M and Pilyugin G T</b> Synthesis of quinocyanine dyes with a complex unsaturated radical at the nitrogen atom ...	512	<b>Dufek V and Schwartassek K</b> Estimation of degree of set of crimped polyamide yarns ...	208
<b>Donetzhuber A</b> Spectrophotometric determination of pulps dissolved in Cadoxen ...	312	<b>Dugan P R</b> Rapid detection of traces of peroxide in ethers ...	107
<b>Donnet J B and Ferry D</b> Analysis of colouring with carbon black ...	200	<b>Dumanski A V</b> <i>See</i> Demchenko P A	
<b>Donovan R</b> <i>See</i> Laross P	512	<b>Duncan D R</b> Identification and estimation of pigments in pigmented compositions by reflectance spectrophotometry ...	479
<b>Dontsov A A</b> <i>See</i> Dogadkin B A	197	<b>Dunkel H</b> Dyeing polyamide fibres with Logwood Black ...	201
<b>Dorfner Gebrider</b> Removing iron from kaolin ...	520	<b>Dunlop Rubber Co.</b> Fluidised bed machine for heat treatment of thermoplastic textiles ...	416
<b>Dormael A van</b> <i>See</i> Depoorter H	475	<b>Durand &amp; Huguenin</b> Metallisable azo dyes ...	514, 572
<b>Dorset B C M</b> Protecting fibres against degradation during exposure to light ...	472	Pattern Cards ...	181
Some advances and effects in flameproofing techniques...	472	Yellow metal-complex monoazo dyes for anodised aluminium ...	48
<b>Dorsett F R and Mangles, Herold Co.</b> Chlorine bleaching of cellulose, nylon, and polyester fibres in acid solution	520	<b>Dürig G</b> Static electricity in textiles ...	502
<b>Dorst W</b> Gloss-drying aqueous dispersions of oil-modified alkyl resins ...	470	„ and <b>Ruperti A</b> Rotproofing of cotton ...	158
		<b>Dussy P</b> <i>See</i> Ackermann H	
		<b>Duyntse E F J and Veerkamp T</b> Triazine isocyanates. II—Reaction of 2,4-diamino- <i>s</i> -triazines with ethyl chlorocarbonate ...	418
		<b>Dvorak J</b> <i>See</i> Arient J	
		<b>Dworak L and Kościuk J</b> Degumming, bleaching, and dyeing silk produced by Polish oak-silkworm ...	357
		<b>Dyatlovitskaya E V</b> <i>See</i> Bergelson L D	
		<b>Dyotherm Corp.</b> Simultaneous scouring, dyeing, and finishing of textiles on a form ...	103, 361
		<b>E</b>	
		<b>Earl J C</b> Three-linked carbon ...	621
		<b>Earland C</b> Determining sulphur content of wool keratin ...	311

East

East

East

East

Edel

PAGE	PAGE
428	<b>Eastman J W</b> <i>See</i> <b>Calvin M</b>
146	<b>Eastman Kodak Co</b>
580	2- <i>o</i> -Acetamido- $\beta$ -phenylethyl)-1-hydroxynaphthamide as colour coupler ... ... ... ...
243	1-Amino-2-bromo-4-arylaminoanthraquinone dyes for acrylic fibres ... ... ... ...
472	Anthraquinone disperse dyes ... ... ... ...
580	Antistatic agents for use in textile lubricants ... ...
100	Apparatus for applying simultaneously two or more layers of aqueous dispersions to a moving web ...
150	Automatic control of development of festooned paper ...
631	Azamerodicarbocyanine dyes ... ... ... ...
526	Coloured sheeting or film ... ... ... ...
58	Cyan-forming colour couplers ... ... ... ...
477	Elastomeric vapour-permeable films and compositions for coating or impregnating fabrics ... ... ... ...
296	Electrostatic printing on polyethylene ... ... ... ...
310	Flameproofing cellulose organic acid ester fibres ... ...
66	Merocyanine dyes ... ... ... ...
104	Preventing popping and fading of transparencies and fading of colour photographs ... ... ... ...
361	Quaternary ammonium salts of anthraquinone dyes ... ...
361	Quick-setting protein-containing coatings ... ...
104	Size for yarn of ester fibres ... ... ... ...
539	Stabilising polyolefins to ultraviolet radiation ... ...
63	Suppression of Newton's rings in printing colour films ...
58	Thermographic copying material ... ... ... ...
477	Two-equivalent colour couplers ... ... ... ...
296	Yellow-coloured magenta-forming couplers ... ...
104	<b>Easton B K</b> Bleaching wool with hydrogen peroxide ...
587	<b>Eastwood H W</b> Desizing—effect of different techniques on properties of fabrics ... ... ... ...
160	<b>Edel G</b> and <b>Rochas P</b> Action of semicarbazide and thiocarbazide on cellulose oxidised by periodic acid ...
633	<b>Edelstein S M</b> Dyes and dyeing in the Confederacy ...
568	Papin and his new digester ... ... ... ...
42	<b>Edelston J A</b> and <b>Hillier K W</b> Effect of temperature on crease recovery of synthetic-fibre fabrics ... ...
303	<b>Edwards D K</b> , <b>Gier J T</b> , <b>Nelson K E</b> , and <b>Roddick R D</b> Integrating sphere for imperfectly diffuse samples ...
525	<b>Egerton G S</b> and <b>Gaill F</b> State of indigo and thiindigo dyes in dyed materials ( <i>Communication</i> ) ... ...
366	<b>Egli E</b> and <b>Perrig M</b> Continuous dyeing of wool ... ...
478	<b>Egli H</b> , <b>Hafer K</b> and <b>Perrig M</b> Progress in Vigoreux printing
208	<b>Egorov P S</b> and <b>Klyuev V N</b> Compression of carbon black by processing ... ... ... ...
107	<b>Eibi J</b> Two-phase printing process ... ... ... ...
208	<b>Einsel U</b> Application of polyvinyl alcohol sizing finish in combination with reactive dyes ... ...
14, 673	<b>Eitington I I</b> , <b>Feldshtein M S</b> and <b>Fevzner D M</b> Vulcanising action of heterocyclic <i>N</i> -thiocarbamylsulphenidalkyl-amides ... ...
181	Vulcanising power of asymmetric thiuram sulphides containing aliphatic and aromatic groups ... ...
1	<b>Eitington S I</b> , <b>Pavlyushkin N M</b> and <b>Zhuravlev A K</b> Enamels for decorative alumina ware ... ...
416	<b>Elizabeth Arden</b> Hair-dye preparation ... ...
201	<b>Ellams Duplicator Co.</b> Thixotropic ink ... ...
416	<b>Ellenbogen H A</b> and <b>National Starch Products</b> Dry-cleaning and sizing of fabrics ... ...
14, 673	<b>Elliott R G H</b> <i>See</i> <b>Bowes J H</b>
181	<b>Ellis H W</b> Colour measurement: its possibilities for the colourist ( <i>Lecture</i> ) ... ...
1	<b>Ellis R</b> <i>See</i> <b>Bruson M O</b>
48	<b>Elm A C</b> Effect of pigmentation on life of paints ...
502	<b>Eloflock</b> <i>Oberflächenveredlung</i> Electrostatic coating of filaments ... ...
155	<b>Eiser W</b> Measurement of spreading power of paint materials ...
415	<b>Elton Cop Dyeing Co</b> Support for packages of yarn during dyeing ...
g	<b>El'tsov A V</b> <i>See</i> <b>Abozin V G</b>
357	<b>Eltz H U von der</b> Fastness properties of Remazol dyes on cellulose fibres ... ...
103, 361	<b>Enders H</b> and <b>Wiest H K</b> Polymerisation of fluorocarbons in finishing ...
103, 361	<b>Engeler A</b> Testing resin-finished textiles ...
103, 361	<b>Engelhard Industries</b> Burnish gold containing gold primary mercaptans ...
621	<b>Engelsma G</b> <i>See</i> <b>Calvin M</b>
621	<b>English Metal Powder Co.</b> Metallic paste pigments ...
621	<b>English Rose</b> Damage-resistant hosiery ...
59	<b>Enos H F</b> , <b>Goras J</b> and <b>Markarian H</b> Colorimetric determination of dieldrin in wool ...
157	<b>Entwistle S</b> , <b>Horrocks D</b> and <b>Krug P</b> Discharge printing of Acrlan ...
208	<b>Epshtein S Z</b> <i>See</i> <b>Aizenberg E S</b>
52	<b>Epstein J A</b> and <b>Lewin M</b> Mild oxidation of cotton by hypochlorite ...
184	<b>Eremina O I</b> , <b>Karpova E N</b> and <b>Nikolenko L N</b> Investigations of azo and anthraquinone acid dyes containing large alkyl groups ...
625	<b>Erickson V</b> U.S. production of dyes, lakes, and toners in 1960
193	<b>Ermakova G A</b> , <b>Istomina V N</b> and <b>Rassudova N S</b> Rutile titanium dioxide from concentrated solutions of titanium sulphate ...
190	<b>Ermolaeva T A</b> Modification of titanium dioxide in the manufacture of pigments for diverse purposes ...
184	<b>Ernst W</b> Development and evolutional trends of Standfast continuous dyeing method ...
185	Finishing problems, past, present, and future ...
584	Metal effect threads in woven and knitted goods: properties and methods of finishing ...
193	<b>Espector J C</b> Gravimetric analysis of colour dyes ...
193	<b>Esser H</b> Embossing knitwear made from thermoplastic fibres
193	<b>Esso Research &amp; Engineering Co.</b> Curing composition for metal pigment coatings ...
193	Isocyanato-urethane water-repellent agents ...
193	<b>Etablissements Albert C Scholaert</b> Metallic rotary teasel and its support for raising machines ...
193	<b>Etablissements Callebaut-De Blicque</b> Cop-dyeing machines
193	<b>Ethicon</b> Dyeing surgical gut and apparatus therefor ...
193	<b>Evans J G</b> Necessity, invention, and rayon ...
193	Some developments in new finishes and in durability ...
193	<b>Ewing W H</b> <i>See</i> <b>Archibald L B</b>
193	<b>Exbrayat P</b> and <b>Schutz R</b> Enzymic desizing of overdried cotton warps ...
193	Sizing of jute ...
254	<b>F</b>
159	<b>Faasen N J</b> and <b>Lamoen F L J van</b> Preparation of dye solutions for transmission measurements ...
159	<b>Faberge</b> Coloured natural or synthetic pearl essence ...
159	<b>Fabriques de Produits Chimiques de Thann et de Mulhouse</b> Titanium dioxide ...
159	<b>Fahmy A R</b> <i>See</i> <b>Brenner M</b>
159	<b>Fain V Ya</b> , <b>Golomb L M</b> and <b>Plakidin V L</b> Red vat dyes 139, 245
159	, <b>Plakidin V L</b> and <b>Trunov-Krasovskii V I</b> Preparation of 1-methylanthraquinone by diene synthesis ...
475	<b>Fairbairn Lawson Combe Barbour</b> Cylinder drying machine
157	<b>Famatex</b> Producing undulations in web material ...
157	Tenter-chain links ...
157	Tenter clip ...
157	<b>Fan Systems</b> Drying carpets and other textile webs ...
157	<b>Farag M S</b> , <b>Khanafi Z</b> , <b>Salem T M</b> , <b>Turki A R</b> and <b>Yussef Yu L</b> Physical investigation of yellow and red varieties of mercuric oxide ...
157	<b>Farbenfabriken Bayer</b>
157	Acid anthraquinone dyes ...
157	Aluminium oxide for brightening paper and rendering it opaque ...
157	Amino phosphoric or thiophosphoric esters and amides—intermediates for dyes and plastics of good flame resistance ...
157	Anthraquinonoid vat dyes and pigments ...
157	Antistatic agents for synthetic-polymer fibres 243, 526, 566
157	Aqueous dispersions of self-cross-linking copolymers for use in pigment printing or dyeing of textiles ...
157	Asymmetric azo compounds ...
157	Azoic dyeing of polyester fibres or foils ...
157	Basic dyes for polyacrylonitrile ...
157	Bis-triazinylaminostilbene derivatives—fluorescent brightening agents ...
157	Blue metal-complex disazo direct dyes ...
157	Calcium carbonate ...
157	Colour stabilisation of thermoplastic polycarbonates ...
157	Crystalline solid solutions based on titanium dioxide—coloured pigments ...
157	Cyanine dyes ...
157	Cyanine dyes having photosensitising properties ...
157	Cyanine dyes for polyacrylonitrile ...
157	1,4 - Diamino - 2 - nitroanthraquinone—bluish green disperse dye for polyester fibres ...

PAGE	PAGE
<b>Farbenfabriken Bayer—continued</b>	
Dioxazine disperse dyes for obtaining fast dyeings or prints on polyester fibres or films ... ... ... ... 98	<b>Farbwerke Hoechst—continued</b>
Dyeing cellulose textiles ... ... ... ... 201	Dyeing polyester fibres ... ... ... ... 474
Dyeing polyacrylonitrile and polyvinylidene cyanide fibres with basic and disperse dyes ... ... ... ... 523	Dyeing polyester fibres with disperse, azoic, and vat dyes ... ... ... ... 202
Dyeing polyesters and cellulose triacetate ... ... ... ... 474	Dyeing and printing polycrylonitrile ... ... ... ... 306
Dyeing and printing fibres containing hydroxyl groups ... ... ... ... 473	Dyeings and prints of good wet fastness on cellulose by use of reactive dyes containing <i>N</i> -substituted $\beta$ -aminoethylsulphone groups ... ... ... ... 523
Dyes containing a triazine residue ... ... ... ... 96	Dyes containing propionyl radicals ... ... ... ... 300
Emulsifying agents ... ... ... ... 184	Fast dyeings and prints on polyester fibres ... ... ... ... 523
Flame- and glow-resistant finish fast to washing and drycleaning ... ... ... ... 363	Fixing pigments on fibrous materials and flat structures 524, 584
2-Halogeno-1-naphthylamine-3-sulphonic acids—azo dye intermediates ... ... ... ... 47	<i>o</i> -Hydroxyazo dyes for polyester fibres ... ... ... ... 47
Heterocyclic methine disperse dyes ... ... ... ... 142	Improving dyeability of polyesters ... ... ... ... 631
Hydroxyanthraquinone disperse dyes ... ... ... ... 301	Insoluble diazo dyes ... ... ... ... 247
Improving fastness to washing of direct dyes on cellulose ... ... ... ... 523	Insoluble triazenes in production of azoic dyes on cellulose ... ... ... ... 629
Improving flame resistance of plastics ... ... ... ... 158	Leuco sulphuric acid esters of vat dyes ... ... ... ... 468
Improving wet-fastness properties of direct dyeings ... ... ... ... 473	Levelling agent for disperse or azoic dyeing of polyester fibres ... ... ... ... 523
Metal-complex azo dyes ... ... ... ... 50	Mass-coloured polyesters ... ... ... ... 304
Metal-complex dis- and poly-azo direct dyes ... ... ... ... 573	Monoazo dyes having a phosphoric ester group—soluble dyes for cellulose acetate ... ... ... ... 465
Metal-complex tri- and poly-azo direct dyes ... ... ... ... 466	Naphthoylene-arylimidazole, peridicarboxylic and naphthaloperonone-13,14-dicarboxylic acids and anhydrides and their condensates with amines—disperse dyes ... ... ... ... 142
Metallisable azo dyes derived from cyanonaphthalene derivatives ... ... ... ... 96	Pattern Cards ... ... ... ... 292, 459, 561
Metallisable dis- and poly-azo direct dyes ... ... ... ... 193	Phosphorus-containing anthraquinone dye intermediates ... ... ... ... 465
Methine dyes for synthetic fibres ... ... ... ... 193	Pigment dispersions for synthetic resins and rubbers ... ... ... ... 99
Mixed monoazo dye—metal complexes—dyes for wool ... ... ... ... 191	Quaternary organic phosphorus compounds—flame-resistant agents ... ... ... ... 136
Monoazo disperse and basic dyes from 5-aminopyrazoles ... ... ... ... 299	Red monoazo direct dyes ... ... ... ... 572
Monoazo pigments from substituted metanilamides ... ... ... ... 350	Red monoazo pigment and azoic dye ... ... ... ... 350
Monomethine dyes containing a pyrazolone ring ... ... ... ... 193	Red pigments of the perylene tetracarboxylic acid series ... ... ... ... 468
Pattern Cards ... ... ... ... 40, 91, 181, 292, 561	Resin-bonded pigment printing ... ... ... ... 307
Phthaloyl isoindoline dyes for synthetic-polymer fibres ... ... ... ... 517	Resist agents for wool when dyeing mixtures of polyacrylonitrile fibres and wool with basic dyes ... ... ... ... 523
Pigmented water-in-oil emulsions as textile printing pastes ... ... ... ... 62	Stable aminoplast precondensates ... ... ... ... 135
Polyquaternary ammonium compounds for improving fastness of direct dyeings ... ... ... ... 184	Stable solutions of C.I. Azoic Coupling Component 7 ... ... ... ... 351
Quaternised phthalocyanine dyes ... ... ... ... 302	Water-repellent finish ... ... ... ... 476
Quinone dyes and intermediates ... ... ... ... 248	Water-soluble phosphorus-containing anthraquinone dyes for cellulose acetate ... ... ... ... 351
Reactive dibenzanthrone dyes containing sulphone or sulphonamide groups ... ... ... ... 576	White and coloured resist effects on cellulose ... ... ... ... 584
Reactive dyeing and finishing of cellulose textiles ... ... ... ... 150	Yellow azoic dyes and pigments ... ... ... ... 351, 422
Reactive dyes ... ... ... ... 195	Yellow monoazo pyrazolone pigments ... ... ... ... 421
Reactive dyes containing ternary sulphonium or quaternary ammonium radicals ... ... ... ... 515	Yellow to red monoazo pigments ... ... ... ... 421
Reactive pyrazolone azo dyes ... ... ... ... 96	<b>Farnham W</b> Clarifying turbid water ... ... ... ... 565
Readily dischargeable phthalocyanine dyes ... ... ... ... 144	<b>Farnum D G and Yates P</b> Preparation and reactions of some diazopyrazoles ... ... ... ... 419
Resin-bonded white prints of high covering power ... ... ... ... 307	<b>Farrow B</b> Tensile behaviour of viscose rayons in sodium cuprate solutions ... ... ... ... 198
Shrunken leather ... ... ... ... 365	<b>Feather P, Inman E and Peters A T</b> Haematein and its derivatives (Communication) ... ... ... ... 321
Siliceous fillers ... ... ... ... 424	<b>Fedchenko V S and Martynova R G</b> Permanently coloured plastics ... ... ... ... 627
Stilbene fluorescent brightening agents ... ... ... ... 98	<b>Fedorova E B</b> See Abramova E A
Substituted quinones—dyes and textile auxiliary agents ... ... ... ... 52	<b>Fedorova N E and Moryganov P V</b> Continuous bleaching of cellulose fabrics ... ... ... ... 58
Sugar esters—detergents ... ... ... ... 509	<b>Fedoseeva E G, Fel'dman R I and Sokolov S I</b> Interaction between polymers and plasticisers. I—Preparation and properties of polyvinyl chloride pastes ... ... ... ... 256
Synthetic resin having fungicidal and bactericidal surfaces ... ... ... ... 478	Interaction of polymers and plasticisers. Gelatinisation of polyvinyl chloride pastes and properties of their films ... ... ... ... 478
Tetra-azaporphin dyes ... ... ... ... 98	<b>Fehér I and Gaál E</b> Electrostatic dyeing of leather ... ... ... ... 131
Thermostable acrylic polymers having good dyeing properties ... ... ... ... 579	<b>Feldman D, Simionescu C and Vasilii C</b> Studies on grafting of carboxymethylcellulose to acrylonitrile ... ... ... ... 357
Triazole azo metal-complex dyes for cellulose fibres ... ... ... ... 573	<b>Fel'dman R I</b> See Fedoseeva E G
Trifluoromethylsulphonamides as protective agents against textile pests, bacteria, and moulds ... ... ... ... 566	<b>Fel'dshtain M S</b> See Belyaeva E N, Dogadkin B A, Eltington I I
Trisazo direct dyes ... ... ... ... 97	<b>Feldman H D and McPhee J R</b> Effect of pH and detergents on felting of shrink-resistant wool ... ... ... ... 204
Water-insoluble monoazo dyes ... ... ... ... 50	<b>Felisol Association</b> Information Bulletins No. 13, 14 ... ... ... ... 294
Water-repellent finish for textiles, leather, and other fibrous materials ... ... ... ... 345	<b>Fels M</b> Weathering of textile yarns ... ... ... ... 589
Water-soluble phthalocyanine dyes for cellulose ... ... ... ... 55	<b>Felton C D</b> See Clark J J
Weather-resistant synthetic resin paints ... ... ... ... 197	<b>Fenner T W, Furry M S, Reid J D, Reinhardt R M and Walsh M</b> Fluorescent brightening agents in wash-and-wear finishing of cotton ... ... ... ... 153
Yellow and brown monoazo pigments ... ... ... ... 50	<b>Harris J A, Reid J D and Reinhardt R M</b> Control of formaldehyde release from fabric finished with dimethylolethyleneurea ... ... ... ... 363
Yellow monoazo pyrazole dyes ... ... ... ... 246	<b>Kullman R M H, Reid J D and Reinhardt R M</b> Wash-and-wear finishing of cotton fabrics using deferred curing ... ... ... ... 475
<b>Farbwerke Hoechst</b>	
<i>o</i> -Aminozobenzene derivatives and their stabilised diazo compounds for azoic greens and browns ... ... ... ... 422	
Azoic blacks for cellulosic fibres ... ... ... ... 574	
Black azoic dyes ... ... ... ... 467	
Bluish green to green azoic dyeings on aromatic polyesters ... ... ... ... 104	
Bonded-fibre fabric containing polyvinyl alcohol fibres ... ... ... ... 155	
Brown and black metal-complex azoic dyes ... ... ... ... 351	
Brown metal-complex monoazo wool dyes from keto derivatives of resorcinol ... ... ... ... 299	
Coating with thermoplasts by fluidised-bed sintering ... ... ... ... 630	
Chlorite bleaching ... ... ... ... 520	
Diazo components for azoic greens, browns and blacks ... ... ... ... 351	
Dry-cleaning goods to be given a water-repellent finish ... ... ... ... 358	

Fenne ...  
Ferrari ...  
Ferrig ...  
Fester ...  
Feuerl ...  
Feugh ...  
Field ...  
Filato ...  
Finken ...  
... See I ...  
Fisher ...  
Fischa ...  
Fishpo ...  
Fitch R ...  
Flath ...  
Fleissn ...  
Flory P ...  
Flynn J ...  
Fodima ...  
Fogelson ...  
Fong W ...  
Food M ...  
C ...  
Ford J E ...  
Forshaw ...  
Fortess ...  
... and T ...  
... and W ...  
Fortina ...  
... and F ...  
Fowler J ...  
... Mars ...  
Fox M ...  
F P Res ...  
Francis ...  
Francis ...  
Na ...  
Na ...

PAGE	PAGE
Fenner T W, Reid J D and Reinhardt R M Imparting dry crease resistance to cotton treated in swollen state with formaldehyde ... 362	Fraser I E B and Truter E V Constitution of suint. IV—The component amino acids ... 579
New method for preparation of alkali-soluble cellulosic textiles ... 147	Fraser R D B and Lennox F G Structure of wool fibre ... 356
Ferrante G R Statistical techniques for laboratory evaluation of new crease-resist agents ... 258	Frederick M, Minton P B and Vejnoska L W Hiding power of white pigments—Theory and measurement ... 158, 258
Ferrigno T H Influence of extender blends on properties of latex flat paint film ... 354	Frederikse H P R Rutile titanium dioxide ... 349
Ferro Corp. Colorants for resins ... 303	Freeman, Taylor Machines Dyeing machines ... 503
Ferry D See Donnet J B	Hank dyeing, etc., machines ... 182
Fester W and Weltzien W Analytical investigation of polyacrylonitrile on treatment with sulphuric acid ... 425	Freudenberg Carl Bonded-fibre fabric ... 155
Physico-chemical changes in polyacrylonitrile fibres after dry-heat treatment ... 425	Flame-resistant bonded-fibre fabrics ... 64
Physico-chemical changes in polyacrylonitrile fibres after wet-heat and saturated-steam treatments ... 586	Rendering polyvinyl alcohol fibres in bonded-fibre fabrics fast to chlorine ... 155
Festerling W Dyeing polyamide fibres ... 149	Frey F Black oxide of iron ... 56
Dyeing polyamide fibres with acid dyes ... 252	Frey M New developments in mechanical dyeing in the laboratory ... 358
Feuerberg H Analysis of dried coatings ... 435	Freyer H See Brielmaier H J
Feughelman M and Haly A R Physical properties of wool fibres at various regains. VI—Mechanism of stress relaxation and length recovery ... 356	Frick J G, Kullmann R M H, Reid J D and Reinhardt R M Cross-linking etherified cottons with dimethylol ethyleneurea ... 105
Field D E See Alexander A L	„ Murphy P J, Reid J D and Vail S L Dihydroxyethyleneureas as crease-resist finishing agents for cotton ... 308
Filatova M A, Nikitina S A, Taubman A B and Rebinder P A De-emulsifying effect of surface-active substances and the structural-mechanical properties of their adsorption layers ... 134	„ Reeves W A and Vail S L Electronic effects of substituent groups upon acid hydrolysis of amidomethylol finishes on cotton ... 430
Finkelshtain M Z, Malinina A I, Timokhina I M and Zhigach K F Effect of temperature on viscosity of aqueous solutions of carboxymethylcellulose ethers and on degree of polymerisation... 477	„ Reid J D and Vail S L Further study of hypochlorite-resistant melamine-type finishes ... 633
„ See Dkhariyal Ch D	„ See Andrews B A K, Arceneaux R L
Fisher C H All-cotton stretch and bulked yarns and fabrics ... 430	Fridman S G Dyes with thiazolobenzimidazole and thiazolobenzotriazole rings ... 512
Fishman S, Goldberg M, Hirsch A, Ottensoser M and Schachnow M Spot tests for phenylenediamines ... 434	„ and Golub' D K Dyes from 2-methoxyazolo-(5,4-g)-benzthiazole ... 298
Fishpool J K See Carr W	Friedrich H J, Gueckel W, Scheibe G and Smits J Red quinoline dyes ... 463
Fitch R M The solid-aqueous interface in relation to coatings ... 519	„ Hohleinrich G and Scheibe G Oscillator strengths for determination of steric configuration of polymethine dyes ... 479
Flath H J and Hornuff G von Bonding of reactive dyes to wool ... 251	Friele L F C Analysis of Brown and Brown-MacAdam colour-discrimination data ... 531
Fleissner Drum sieve driers for loose fibres, webs, sheets or granular materials ... 242	Frieser E Auxiliaries for stripping of dyeings ... 42
Drying and tentering apparatus ... 461	Raising heat stability of cellulose fibres ... 153
Separating loose fibres after wet processing ... 461	Reserving of textile fibres to dyes ... 305
Sieve-drum dryer ... 461	Frieser E P Hygienic finishing of synthetic-polymer fibres ... 586
Wet processing of long lengths of textiles... 461	Wool-protecting agents ... 565
Wet processing of loose fibres or granular materials ... 182	Frischman D See Blore J
Flory P J Morphology of crystalline state in polymers ... 587	Fritzsche Brothers Water-soluble salts of Curcumin as food dyes ... 249
Flynn J H Drying coated webs ... 41	Fröhlich H G Preparation and properties of felts and felt sleeves, with reference to theory of felting ... 579
Fodiman I V, Gulkina I R and Shtern I Ya Pigment printing ... 632	Frötscher H Antistatic treatment ... 431
Fogelson M S See Dogadkin B A	Früh M, Hoffmann K-D, Miescher K and Weisenhorn P Natural colour system ... 531
Fong W See Brown A H	Frymann & Fletcher Continuous dyeing machine for fabric... 182
Food Machinery & Chemical (FMC) Corp. Bleaching cellulose fabrics ... 471	Fujimoto R A See Arceneaux R L
Cotton bleaching ... 426	Fujita I See Kujirai C
Peroxide bleaching of cellulose fabrics ... 251	Fukuda T and Sugiyama Y Measurement of daylight fluorescent colour ... 530
Ford J E and Warwick J O Fibre identification by means of Shirlastains A, D, and E ... 159	Fukuhara S and Sobue H Identification of textile fibres by infrared absorption spectra ... 367
Forshaw L and Jellyman P E Formation of glass fibres and methods for their manufacture ... 100	Fukuya N, Iida H and Kawabata N Dyeing partially aceto-acetylated viscose rayon cloth with aromatic diazonium compounds ... 427
Fortess F Challenge to scientific investigation in the textile industry ... 287	Fulton W & Sons Laterally guiding a longitudinally moving web ... 625
„ and Tesi A F Dyeing and finishing "ease-of-care" triacetate fabrics ... 203	Furness W ASDC examination papers ( <i>Correspondence</i> ) ... 336
„ and Ward G C New advances in machinery for pressure dyeing of synthetic-fibre fabrics... 507	Furry M S See Fenner T W
Fortina L Substantivity of diazo dyes from diamines ... 626	Fürst A and Meier W Dicigitrine, a new flavone from the leaves of <i>Digitalis purpurea</i> L (Red Foxglove)... 420
„ and Montaudo G Utilisation of polystyrene residues. VI—Azoic dyes from thiophenol and thiophenol 1,1-dioxide ... 569	Furusawa C Present and future of Japanese dye industry ... 137
Fowler J A Piece-dyeing with Procion dyes ... 521	G
„ Marshall W J and Seltzer I Pad-batch dyeing with reactive dyes ... 581	Gaál E See Fehér I
Fox M R Practical aspects of vat dyeing of cotton yarn packages ( <i>Lecture</i> ) ... 393	Gabe I, Mandasescu L and Stoicescu-Crivat L Reactivity of the methyl group in heterocyclic compounds. III—Cyanine dyes from 2-methylbenzodiazines ... 512
F P Research Regenerated protein fibres ... 100	Gachkovskii V F Fluorescence spectra of polymers ... 433
Francis W J Black antifouling boot-topping paint ... 356	Gadenne J Control and fastness of dyes on yarns and fabrics. Dyeing mixtures of acrylic and natural fibres ... 582
Francis Earle Laboratories Coloured cast pearl plastics ... 529	Gagliardi D D Antibacterial finishes ... 254
Nacreous bismuth oxychloride of good fastness to light... 145	Chemical finishing of cellulose ... 307
Nacreous iron oxide pigment ... 354	Gaino J Continuous treatment of a moving flexible web ... 182
	Gajda J Sodium chlorite bleaching of cotton fabrics ... 357

PAGE	PAGE
<b>Gal'braitkh L S</b> <i>See</i> Chekalin M A	
<b>Galil F</b> <i>See</i> Egerton G S	
<b>Gallagher N D</b> and <b>Neher M B</b> Alkenylsuccinic acids as waterproofing agents for leather... ... ... ... ... 625	
<b>Galoczy Z de</b> and <b>Prunet J</b> Carbon black ... ... ... ... 56	
<b>Galtik J</b> Catalytic bleaching of natural-coloured furs... ... ... ... 581	
<b>Galus Z</b> <i>See</i> Adams R N	
<b>Ganushchak N I</b> <i>See</i> Dombrovskil A V	
<b>Garda C</b> , <b>Goldynia J</b> and <b>Sekula W</b> Dyeing polymethyl methacrylate with 1:2 metal complexes of disazo dyes ... ... ... ... 582	
<b>Garg H G</b> Reactive methylene compounds. XI—Condensation of benzene- $\alpha$ - $\beta$ -diketones with phenylhydrazine... ... ... ... 186	
<b>Garvey B S</b> Elastomers ... ... ... ... 107	
<b>Gascoigne J A</b> Peroxide bleaching ... ... ... ... 580	
<b>Gasparić J</b> and <b>Mahran J</b> Determination of constitution of acylaminonaphthoquinone vat dyes ... ... ... ... 434	
<b>Gäth R</b> Recent developments in the European plastics industry ... ... ... ... 131	
<b>Gault F E</b> and <b>Wahl H</b> Disazo dyes derived from 2,3,3-trimethylindolenine ... ... ... ... 418	
<b>Gautreaux G A</b> <i>See</i> Arceneaux R L	
<b>Gee G</b> Polymer science in the university ... ... ... ... 131	
<b>Gehrlein R</b> Printing cellulose with 50% Sinagen dye solutions ... ... ... ... 253	
<b>Geigy Co Ltd</b> Pattern Cards, etc ... ... ... ... 181, 293, 459	
<b>Geigy J R Akt Ges</b>	
Aminobenzoic acid derivatives as mothproofing agents ... ... ... ... 42	
Anthraquinone dyes for wool and cellulose ... ... ... ... 575	
Basic dyes for polyacrylonitrile ... ... ... ... 351	
Benzotriazole derivatives—ultraviolet-absorbing agents ... ... ... ... 43	
Blue and violet copperable disazo direct dyes ... ... ... ... 192	
Colouring nitrogenous fibres with phthalocyanine dyes... ... ... ... 55	
Copperable trisazo direct dyes ... ... ... ... 247	
Defoaming agents ... ... ... ... 43	
3,5-Diaminopyrazine-2,6-dicarboxylic acid derivatives—fluorescent brightening agents ... ... ... ... 353	
Diazocarbocyanine bases and dyes ... ... ... ... 193	
Dioxazine dyes and pigments ... ... ... ... 55	
Dyes for acrylic fibres ... ... ... ... 141	
Green anthraquinone azo triazine dyes for cellulose ... ... ... ... 468	
Green dyes for cellulose ... ... ... ... 97	
Grey and brown metal-complex monoazo dyes for wool etc. ... ... ... ... 246	
Halogenoisoindolinones—intermediates for azomethine dyes ... ... ... ... 52	
Increasing solubility in water of mothproofing agents ... ... ... ... 566	
Isoindolinones—azomethine dye intermediates... ... ... ... 349	
Metal-complex monoazo pigments... ... ... ... 571	
Metal-complex monoazo solvent-soluble colorants ... ... ... ... 50	
Metal-monoazo dye—disazo dye complexes for wool ... ... ... ... 96	
Mixed azo-azomethine metal complexes; dyes for wool, etc. ... ... ... ... 50	
Monoazo acid dyes having halogenonacylaminogroups ... ... ... ... 47	
Orange and red disazo acid dyes ... ... ... ... 50	
Orange and red monoazo acid dyes... ... ... ... 47, 191	
Pattern Cards ... ... ... ... 293, 561	
Phthalocyanine pigments which do not crystallise in aromatic solvents ... ... ... ... 98	
Pigment printing composition ... ... ... ... 429	
Pigmented oil-in-water emulsions yielding prints fast to light and rubbing ... ... ... ... 524	
Stibyl triazole fluorescent brightening agents ... ... ... ... 196	
7 - Triazinylamino - 3 - phenylcoumarins—fluorescent brightening agents ... ... ... ... 196	
Yellow metal-complex monoazo dyes for wool, etc. ... ... ... ... 350	
<b>General Aniline &amp; Film Corp.</b>	
Azo dyeing of leather ... ... ... ... 61	
Colour couplers containing long-chain alkylaminoisophthalic ester groups ... ... ... ... 514	
Colour formers for yellow dyes ... ... ... ... 349	
Colour-proofing film ... ... ... ... 105	
Continuous dyeing of polyacrylonitrile sheets or fibres with acid dyes ... ... ... ... 360	
Defoaming agent ... ... ... ... 509	
Diazotype coupling components ... ... ... ... 47	
Dinaphthofuranone derivatives—vat dye intermediates ... ... ... ... 47	
Diphenyliindoles and substituted diphenyliindoles—fluorescent brightening agents ... ... ... ... 196	
Dyeing synthetic-polymer fibres with solubilised vat dyes ... ... ... ... 428	
Grey to black dibenzanthrone vat dyes ... ... ... ... 352	
Grey copper-complex trisazo direct dyes... ... ... ... 51	
Heterocyclic dye intermediates ... ... ... ... 349	
<b>General Aniline &amp; Film Corp.—continued</b>	
Light-sensitive diazotype material for use in reflex copying and production of a master therefrom for offset printing and copying ... ... ... ... 253	
Metallised azoic dyeings and prints ... ... ... ... 201	
Naphthofuranone vat dyes ... ... ... ... 143	
Naphthoyle diarylimidazole vat dyes ... ... ... ... 518	
p-(2-Pyrazolin-1-yl)styryl dyes ... ... ... ... 143	
Saponifying surface of cellulose ester film... ... ... ... 156	
Surfactants ... ... ... ... 565	
Treating fibrous material with liquids ... ... ... ... 508	
<b>General Dispersions</b> Aqueous dispersions of nylon ... ... ... ... 43	
<b>General Electric Co.</b> Alkyd resin coating composition containing non-leaving aluminium ... ... ... ... 250	
Fume silice filler treated with an organosilane ... ... ... ... 470	
Rendering cellulosic materials non-adherent ... ... ... ... 156	
Rendering leather water-repellent with organopolysiloxanes ... ... ... ... 66	
Treating fillers for organopolysiloxane elastomers ... ... ... ... 578	
<b>General Foods Corp.</b> High-gloss paper ... ... ... ... 310	
<b>General Mills</b> Improving foam stability of alkylaryl sulphonates ... ... ... ... 135	
<b>General Tire &amp; Rubber Co.</b> Metal coating of polyvinyl plastics ... ... ... ... 479	
<b>Genin G</b> Multicoloured paints ... ... ... ... 424	
<b>Gerasimenko Yu E</b> and <b>Oksengendler G M</b> Spectrophotometric analysis of thioldiimidogid dyes ... ... ... ... 434	
<i>See</i> Dokunikhin N S	
<b>Gerdil R</b> and <b>Lucken E A C</b> Spectroscopic identification of 1,2-dimethyl-1,2-dihydroanthracene ... ... ... ... 258	
<b>Gerson F</b> and <b>Heilbronner E</b> Physico-chemical properties and electron structure of azo derivatives—X, XI ... ... ... ... 418	
<b>Geutler G</b> Direct-reading physical colorimeter... ... ... ... 530	
<b>Gevaert Photo-Producten</b> Colour photography ... ... ... ... 525	
Coloured photographs free from secondary images ... ... ... ... 105	
Mono- and tri-methine and rhodacyanine dyes ... ... ... ... 194	
Production of yellow component of colour photographs... ... ... ... 253	
Surface-coated papers ... ... ... ... 255	
Symmetrical monomethine cyanine dyes... ... ... ... 247	
Trimethine dyes ... ... ... ... 194	
<b>Ghosh A K</b> and <b>Sircar A K</b> Spectrophotometric identification and determination of antioxidants in vulcanised rubber ... ... ... ... 368	
<b>Ghosh H S</b> <i>See</i> Bogdan J F	
<b>Giamara A</b> <i>See</i> Capponi M	
<b>Gibson K D</b> , <b>Matthew M</b> , <b>Neuberger A</b> and <b>Tait G H</b> Biosynthesis of porphyrins and chlorophylls ... ... ... ... 46	
<b>Gibson W A</b> <i>See</i> Cohen J	
<b>Gier J T</b> <i>See</i> Edwards D K	
<b>Giles C H</b> , <b>Bashir Ahmad M</b> , <b>Dandekar S D</b> and <b>McKay R B</b> Identification of application class of colorant on a fibre ( <i>Identification of Dyes Committee Paper</i> )... ... ... ... 125	
(Correction) ... ... ... ... 235	
<b>Good W</b> and <b>McKay R B</b> Studies in hydrogen-bond formation. X—Complex formation between variety of organic solutes in carbon tetrachloride... ... ... ... 208	
<i>and</i> <b>Greczek J J</b> Review of methods of purifying and analysing water-soluble dyes ... ... ... ... 568	
<i>and</i> <b>Montgomery A P</b> and <b>Tolla A H</b> Studies in adsorption. XV—Some aspects of the kinetics of dyeing of gelatin and wool ... ... ... ... 305	
<i>and</i> <b>Rahman S M K</b> Studies on high light-fastness in colouring matters in hydrophobic substrates—disperse dyes in cellulose acetates and polyesters ... ... ... ... 200	
<i>See</i> Baxter G, Dandekar S D	
<b>Gilevich M P</b> and <b>Pavlyuchenko M M</b> Spectrophotometric study of dye adsorption on cellulose and oxidised cellulose ... ... ... ... 150	
<b>Gill J P</b> Food dyes. The present International position ... ... ... ... 514	
<b>Gill R A</b> and <b>Steele R</b> Effect of relative humidity on the crease recovery of some modified rayon and cotton fabrics ... ... ... ... 430	
<b>Gillet-Thaon, Ets Gillet &amp; Fils, et Blanchisserie &amp; Teinturerie de Thaon</b> Back grey for calico-printing machine ... ... ... ... 62	
<b>Gillette Co.</b> Permanent waving agent ... ... ... ... 185	
<b>Gillette Industries</b> Hair dyeing with Lawson and other hydroxynaphthoquinones ... ... ... ... 306	
Increasing solubility in water of mono- and poly-hydroxynaphthoquinones ... ... ... ... 355	
<b>Ginzburg O F</b> <i>See</i> Bershtefn I Ya	
<b>Gitis S S</b> and <b>Kaminskii A Ya</b> Relationship between colour and structure in products of the Janowski reaction ... ... ... ... 567	

PAGE	PAGE
Glaser M A <i>See</i> Caplan R E	
Glassmann C and Maennchen K Determination of degree of oxyethylation of fatty alcohol polyglycol ethers by infrared spectroscopy ...	434
Glazunov P Ya, Mikhailov N V, Rafikov S R, Shablygin M V, Tokareva L G, Tsetlin B L and Vlasov A V Formation of orientated structure when vinyl monomers undergo radiation polymerisation on fibres...	478
Glenz O <i>See</i> Berndt G	
Glidden Co. Mercury-cadmium sulphide pigments ...	630
Stable colloidal rutile-inducing and yield-inducing seed	99
Glotov V N Preparation of madder (alizarin) lakes ...	627
Godek J and Wlochowicz A Measurement of density of fibrous materials by a gasometric method ...	108
Goebell K and Kling W Washing process, XI—Behaviour of liquid and solid dirt in the wash solution ...	58
Goerig D Dyeing with vat dyes ...	202
Gokhale M K and Mehta P C Action of hypochlorite on resin-treated cotton ...	106
Goldberg M <i>See</i> Fishman S	
Goldemberg R L, O'Leary S and Ziskin N A Use of water-soluble certified dyes in oily media ...	428
Goldschmidt Th A G NN-Disubstituted amino- and azoamino-s-triazines ...	300
Goldstein H B Finishing knitted goods for laminating with polyurethane foam ...	309
Goldthwait C F, Ruiz von Sales N and Wiles R L Kinds of neps in dyed cotton piece goods...	305
Goldynia J <i>See</i> Garda C	
Golomb L M Structural-mechanical properties of suspensions and pastes containing Vat Dye Zh (Indanthren Brilliant Green GG, C.I. Vat Green 2) ...	512
„ and Shalimova G V Determination of pigment content in vat-dye pastes ...	589
„, <i>See</i> Falm V Ya	
Golub' D K <i>See</i> Friedman S G	
Gonick E Optical properties of newer titanium dioxides ...	245
Good W <i>See</i> Giles C H	
Goodrich Co. B F Artificial leather ...	155
Crease-shedding finish ...	363
Goodyear Tire & Rubber Co. Multi-colour coating composition ...	146
Goras J <i>See</i> Enos H F	
Gorbunova Zh A, Korolev A I and Mur V I Desorption of reactive dyes ...	510
Gordinetskii Yu, Lushina N P and Mandyuk V F Brown polysulphonamide azo dyes ...	510
Gore P H and Wheeler O H Absorption spectra of substituted azobenzenes and benzanilis ...	44
Gorelik D S and Kazakova O A Washing of Miliot Blue ...	465
Gorlovskii I A <i>See</i> Aizenberg E S	
Goryachenko N A, Igonin V M, Lemin M N, Trinkin N R, Trubin A K and Yantovskii I A Spraying of upper leather with hot solutions of nitrocellulose pigments ...	107
Goryunova Z I and Shatrova E S Pologen dyes ...	627
Götz N, Rüttiger W and Zeidler R Chemical constitution and chlorine resistance, with regard to wash-and-wear effects ...	204
Effect of catalysts in resin finishing ...	203
Effect of storage on chlorine resistance of wash-and-wear finishes ...	204
Goujard P M Practical application of infrared radiation ...	257
Grace W R & Co. Acyclic hydrazinium chlorides—textile auxiliary agents and intermediates for solvent dyes and pigments ...	135
Detergent ...	243
Detergent-softener composition for textiles ...	462
Dispersion of polymers in organic liquids...	94
Dye salts, with quaternary ammonium compounds ...	144
Glucose ureide esters—detergents and emulsifying agents	42
Hydrazinium salts ...	145
Graf J, Häusermann J, Hügli F and Niederer H Influence of stirring on dyeing process... ...	521
Grajeck E J and Petersen W H Oil- and water-repellent fluorochemical finishes for cotton ...	431
Graliński M Analysis of mixtures of cotton and other cellulosic fibres ...	367
Solvent for polypropylene fibre in analysis of fibre mixtures ...	311
Grand Y le Science of colour—present state ...	530
Grandberg I I, Klimovich V V and Oblozhenko R V Preparation of 1-(3'-sulpho-4'-phenoxyphenyl)-3-stearoylaminopyrazolone-5 ...	567
Grant G A common patent ...	337
Grassie N and Hay J N Thermal discoloration of nitrile polymers ...	425
Greczek J J <i>See</i> Giles C H	
Green H V and Streli S Chlorazol Black E as a fibril stain ...	159
Greenberger M, Kaplan A M and Kempton A G Critical comparison of methods for spectrophotometric determination of micro-amounts of copper in textiles ...	311
Errors in estimation of copper 8-quinolinolate in mildew-proofed fabric ...	436
Estimation of copper-containing fungicides on commercially treated cotton textiles by rubanic acid method ...	591
Greenhalgh M, Johnson A and Peters R H Some observations on overdyeing of nylon with aggregated acid dyes (Communication) ...	315
Greenstein M and McNeil E Control of transmission of bacteria by textiles and clothing... ...	368
Greenwood J Some reminiscences of the early British dyestuff industry (Lecture) ...	313
Grigor'ev V A and Kolach T A Evaporation of waste saline solutions from azo dye manufacture ...	344
Grimsley & Co. (Leicester) Drying, preboarding, setting, lofting, and similar treatments with steam or hot air ...	93
Presses for tubular fabric ...	242
Grishina A D <i>See</i> Bakh N A	
Grobelyn I and Ilukowicz W Determination of polyvinyl acetate, polyvinyl chloride, and vinyl chloride-vinylidene chloride copolymer in coated papers ...	591
Grosberg P <i>See</i> Bell J R	
Gross R <i>See</i> Bamberger R	
Grossweiner L I and Zwicker E F Photosensitised oxidation of phenol by eosin and related dyes ...	45
Grove C S <i>See</i> Casey R S	
Grün F and Marzetta B Optical method for determination of diffusion coefficients ...	257
Grunert H and Mahalt K Antistatic finishing of synthetic fibres ...	64
Grunin L Cast synthetic pearlescent sheets having a fixed pattern ...	636
„ and Richman S Iridescent pigments ...	630
Grünwald H Effect of modifications of structure of polyester fibre on its textile and dyeing properties ...	250
Gruz B E and Yagupolskii L M Cyanine dyes containing fluorine. X—Cyanine dyes containing fluorine in the polymethine chain ...	244
Gueckel W <i>See</i> Friedrich H J	
Guenther R A and Vietor M L Surface-active materials from perfluorocarboxylic and perfluorosulphonic acids	625
Guha S K <i>See</i> Chatterjee J N	
Gulinkina I R <i>See</i> Podilman I V	
Gund F Determination of dry-cleaning fastness of dyes and prints ...	590
Günzler H Dependence of colour differences and tolerances of monochromatic filters on wavelength and background, and their use in colorimeters ...	531
Gupta P N S, Mitra S N and Roy B R Detection of oil-soluble coal-tar dyes in chili (capsicum)...	207
Gusman S Adhesion of organic coatings ...	635
Gustavson K H Chemistry of chrome tanning, past and present ...	310
Cross-linking of proteins by tanning ...	433
Determination of charge on cationic chromium complexes by ion exchange ...	258
Uptake of vegetable tanning materials by chromed hide substance ...	157
Guthrie J C, Moir J and Oliver P H Two problems associated with blending of coloured fibres (Communication)	27
Guthrie J D <i>See</i> Beninato J V, Drake G L	
Gutsulyak B M and Pilyugin G T Synthesis of <i>N</i> -( <i>p</i> -hydroxyphenyl)-6-hydroxylepidine iodide and its derivatives—cyanine dyes ...	464
„, „ and Zlochovskaya A V Synthesis of non-symmetrical carbocyanines from aryl-lepidine salts ...	570
„, <i>See</i> Dombrovskii A V	
Guyonnet Y Dyeing and finishing mixtures of polyester fibre and wool ...	149
Gvosdleva R <i>See</i> Dimov K	
Gvozdev V D Fluidised-bed drying of fabrics...	525

PAGE		PAGE	
<b>Gygax R and Stein H J</b> Properties, bleaching, and dyeing of Verel ... ... ... ... ...	582	<b>Haworth R D</b> Some problems in chemistry of gallotannins ...	184
<b>H</b>		Vegetable tannins ...	620
<b>Haas F Maschinenfabrik</b> Ensuring even pressure along the whole length of a roller ...	183	<b>Hawthorne B J and Morgan J W W</b> Colouring matter from <i>Milletia stuhlmannii</i> ...	571
<b>Habermalz F, Reumuth H and Schmidt G</b> Phases of steaming of cotton printed with vat dyes ...	584	<b>Hay J N</b> <i>See</i> Grassie N	
<b>Haden I E</b> Dyeing and finishing Terylene-linen fabrics (Lecture) ...	9	<b>Hayashi K, Mitsui S and Saito N</b> Anthocyanin. XXXV—Further analysis of components of crystalline proto-cyanin ...	628
<b>Haelters M</b> Dyeing cotton sewing threads with Cibacron dyes	521	<b>Hayashi M</b> Aggregation of dyes. I—Aggregation of fluorescent brightening agents on cellulose ...	358
<b>Haffner M</b> Setting operations in wet finishing of wool... ...	204	<b>Hayashi T and Shibata R</b> 1,4-Bis(acylamino)anthraquinone dyes ...	464
<b>Hahn C S and Jaffé H H</b> Basicities of substituted azoxybenzenes ...	346	Studies on diacylaminanthraquinone dyes ...	512
Wallach rearrangement. I—Behaviour of 4-substituted azoxybenzenes in strongly acidic solution ...	346	<b>Haydel C H and Sloan J M</b> Further automation of SRRL crease-recovery tester ...	367
<b>Haijoka H and Suyama H</b> Studies on polyvinyl alcohol fibres VIII—Mixed acetalisation of polyvinyl alcohol with benzaldehyde and formaldehyde; IX—Crimp of polyvinyl alcohol by twisting method ...	425	<b>Hebblethwaite G</b> <i>See</i> Bell D A	
<b>Hall A J</b> Developments in dyes and dyeing processes ...	358	<b>Heberlein &amp; Co.</b> Grafting or cross-linking cellulose fibres with aid of ionising radiation ...	476
Modern dyes and dyeing processes—IV ...	583	Patterned textile fabric ...	633
Polypropylene dyeing problems ...	582	<b>Hedley, Thomas &amp; Co</b> Cold permanent waving of hair ...	586
<b>Hall A N, Hollingshead S and Rydon H N</b> Acid and alkaline hydrolysis of some substituted phenyl $\alpha$ -D-glucosides...	156	Solid detergents containing substituted perbenzoic acid...	184
<b>Hall J A D</b> Desizing processes—II ...	58	<b>Hedrick G W and Summers H B</b> Paper size from pine oleoresin ...	345
<b>Halley James &amp; Sons</b> Coating a web with wax ...	344	<b>Heertjes P M</b> <i>See</i> Beek H C A van	
<b>Halpin J C</b> <i>See</i> Dlorio A F	344	<b>Heger A</b> Use of radioactive sources in the textile industry ...	532, 592
<b>Haly A R and Swanepoel O A</b> Supercontraction and elongation of modified keratin fibres in LiBr solution... ...	471	„, <i>See</i> Bobeth W	
„, <i>See</i> Feughelman M	58	<b>Heilbronner E</b> <i>See</i> Gerson F	
<b>Hamada T, Kijima T and Toda H</b> Comparison of characteristics of softwood and hardwood sulphite pulps during bleaching. II—Alkali-consuming substances in unbleached sulphite pulps ...	65	<b>Heinzelman D C, O'Connor R T and Piccolo B</b> Determination of trace metals in cotton and modified cotton fibres and fabrics ...	589
<b>Hamalainen C</b> <i>See</i> Cooper A S	571	<b>Heit R and Schmitt R</b> Ferrocene derivatives as u.v. absorbers ...	38
<b>Hamano H and Noguchi T</b> Fluorescent dyes. IV—Bis(benzoxazolyl)ethylenes—fluorescent brightening agents ...	207	<b>Heliot Maurice Etablissements</b> Hosiery forms ...	183
<b>Hampton H A and Hurd R</b> Polyurethanes—development and uses ...	593	<b>Hemmer C</b> The "Six" and the future of the European chemical industry ...	38
<b>Hanke A R</b> <i>See</i> Bishop J E	154	<b>Hendrix H</b> Action of carriers in dyeing polyester fibres with disperse dyes ...	201, 359, 428
<b>Hannay R J</b> Survey of history and development of flash ageing (Symposium) ...	571	<b>Henkel &amp; Cie</b> Per-compounds of acylation products of phosphorous acid ...	626
<b>Hannig K, Hörmann H and Kühn K</b> Action of trypsin and pepsin on native collagen... ...	207	Thickening agent for mixtures of water and organic solvents ...	461
<b>Hannon J D</b> <i>See</i> Bradley W	593	<b>Henning H J</b> Behaviour of untreated, bleached, and chlorinated wool in blank dyeing between 98 and 108°C ...	473
<b>Harada K, Mitoguchi H and Murata K</b> Azo dyes. XVIII—Azo dyes having 2,5-dichloroaniline-4-sulphonic acid as diazo component ...	432	<b>Heno G</b> Cibaphosol process—application of coacervate systems to wool dyeing ...	60
<b>Harada S, Ishizuka O and Sakaba K</b> Studies on dyeing of polypropylene fibres ...	577	<b>Hensel H R</b> Tricyclic metal-complex dyes ...	510
<b>Hardman &amp; Holden</b> Converting cellulose textiles into cellulose derivative textiles ...	154	<b>Hercules Powder Co.</b> Aqueous keten dimer emulsion for sizing paper ...	634
<b>Harris J A</b> <i>See</i> Fenner T W	296	<b>Hermann P</b> Printing polyester-cotton fabric with Anthrasol and Samaron dyes ...	361
<b>Harris P</b> <i>See</i> Lindley F W	583	<b>Hersch S P, Margeson J H and Sookne A M</b> Effect of tension on properties of resin-treated cotton fabrics ...	430
<b>Harshaw Chemical Co.</b> Iron oxide-silicon ceramic body stains ...	183	<b>Herzog H and Koszticza J</b> Influence of resin finishing on colour and light fastness of naphthalimide-dyed fabrics...	203
Yellow ceramic pigments ...	242	<b>Hess W M</b> Evaluating pigment dispersion in rubber—I, II ...	480
<b>Harsveldt A</b> Industrial applications of starches in the paper and textile industries ...	158	<b>Hess, Goldsmith &amp; Co</b> Colouring glass-fibre fabrics containing effect and non-effect yarns ...	524
<b>Hart A</b> Ironing, brushing, and beating pile fabrics ...	479	Desizing glass-fibre fabrics ...	59
<b>Hartford W H</b> Basicity of chrome tanning compounds and solutions ...	154	<b>Heydeck W</b> Stability of silicone finishes in uniform cloth ...	532
<b>Hartmann E</b> <i>See</i> Dolder F	198, 250	<b>Hicks A D</b> <i>See</i> Babiarz R S	
<b>Hartnett R W Co.</b> Ink for printing on waxed pellets ...	183	<b>Hida M</b> Studies in polyvinyl glycolic acid ether (carboxymethylation of polyvinyl alcohol)—V, VI ...	66
<b>Haslam J, Jeff A R and Willis H A</b> Examination of mixed solvents ...	242	„, <i>See</i> Niino S, Watanabe R and Watanabe T Mechanism of crease-resist finishing with dimethylolurea ...	204
<b>Hatton J B, Levin N W and Ushakoff A E</b> Dehydration of animal skins ...	158	<b>Hiedemann J, Maschinenfabrik</b> Embossing calender ...	183
<b>Haug R</b> Light fastness of organic pigments ...	67, 189	<b>Higashiura K</b> New synthesis of copper-4,4',4''-tetraphenylphthalocyanine ...	46
<b>Haupt G W</b> <i>See</i> Chamberlin G J	183	<b>Higginbotham R S</b> Bleaching of cotton ...	199
<b>Haus A, Meier H and Noddack W</b> Photoelectric studies of organic dyes ...	346	„, and Leigh R A Bleaching cotton with sodium chloride ...	580
<b>Hausam W</b> Finishing textiles with preservative materials and their assay. V—Design of earth-rotting trials ...	431	<b>Higgins S H</b> Bleaching history ...	260
House material with bacteriostatic and antimycotic properties ...	250	<b>Higgs D G</b> <i>See</i> Crosby N T	
<b>Häusermann J</b> <i>See</i> Bersier J, Graf J	183	<b>Hille E</b> Action of reactive dyes on wool ...	359
<b>Hausmann W</b> Dyeing wool with Remazol dyes ...	251	<b>Hilliard D A and Snall R E</b> Improved spectrophotometric measurement of resistance of polymer to u.v. degradation ...	160
<b>Haworth D T and Pollinow G F</b> Boron curing agents for epoxy resins ...	625	<b>Hillier K W</b> <i>See</i> Edelston J A	
		<b>Hindson W R</b> Colour and the dyer ...	159
		„, and Russell A B Use of bursting strength in assessing resistance of textiles to fungal attack ...	68
		<b>Hinton A J</b> Problem of two-sidedness in coloured papers ...	587
		<b>Hirose S, Tanaka R and Teramura K</b> Dyeing of polypropylene fibres ...	522, 582

PAGE	PAGE
AGE	
184	
520	
571	
Hirsbrunner H R The Irga-Solvent process, a new dyeing method for wool ... ... ... ... 252	Hurd R <i>See</i> Hampton H A
Hirsch A and Ma T S Spot tests for dihydroxybenzenes ... 434	Hurwitz M D and Taylor J T Application of acrylic resins in relation to their physical-chemical properties ... 633
„ <i>See</i> Fishman S	Hussain M <i>See</i> Aslam M
Hirsch B Preparation of organic metal complexes of azo dyes obtained from derivatives of diphenylsulphide and diphenylsulphone ... ... ... ... 418	<b>I</b>
Hiyama H, Manabe O, Matsubara S, Nakagaki M and Nanjo K Absorption spectra of dye solutions and of regenerated cellulose film dyed in it ... ... ... 158	Ichinose H Screen-printing machine ... ... ... ... 508
H M Postmaster General Inks for recording instruments ... 99	Igonin V M <i>See</i> Goryachenko N A
Ho H and Stirling P H Automatic instruments for wet analysis ... ... ... ... 66	Igon'kina T N, Pushkareva Z V and Shishkina V I Interaction of 3-aminocarbazole and $\beta$ -hydroxynaphthoic acid ... ... ... ... 244
Hobart S R <i>See</i> Drake G L	Iida H and Konishi K Preparation of partially acetoacetylated viscose rayon cloth which reacts smoothly with aromatic diazonium compounds ... ... ... ... 427
Hodgson G W and Peake E Metal chlorin complexes in recent sediments as initial precursors to petroleum porphyrin pigments ... ... ... ... 46	Iijima T and Sekido M Paper-electrophoresis of azo dyes (Correspondence) ... ... ... ... 619
Hoehn L and Kass G A Colour reactions of oxidation dye intermediates ... ... ... ... 158	Studies on dyeing properties of acid azo dyes—VII ... 359
Hoey C E and Kantner G C Determination of acrylic resin content of spray-bonded Dacron fiberfill non-woven battings ... ... ... ... 532	Ikeda S, Isemura T and Tokiwa F Mode of interaction of surface-active agents and gelatin ... ... ... ... 365
Hofer K <i>See</i> Egli H	Ilford Amide colour couplers ... ... ... ... 246
Hoffman C S Comparison of monocular and binocular colour vision ... ... ... ... 259	Methine dyes containing pyrroline nuclei ... ... ... ... 194
Hoffman M J <i>See</i> Brown J J	Polymethine dyes ... ... ... ... 516
Hoffmann F-La Roche & Co. Carotenoid preparations for colouring foods ... ... ... ... 196	Ilg H and Meyer G Reductones and reductonates as reducing agents for dyes in printing ... ... ... ... 429
Carotenoids ... ... ... ... 518	Illukowicz W <i>See</i> Grobelny I
Organic-phosphorus compounds and carotenoids therefrom ... ... ... ... 299	Il'yashevich V A <i>See</i> Bibikova T T
Hofmann K-D <i>See</i> Fröhlich M	Il'yashuk N D, Kalinina I N, Melikhov C A and Sadov F I Influence of air on absorption of direct dyes by cellulose fibres ... ... ... ... ... 59
Hohleinrich G <i>See</i> Friedrich H J	Imaev M G Azomethine dyes containing phosphine group ... 298
Holbrook R L, Northgraves W W and Synan J F Continuous sodium chloride bleaching ... ... ... ... 251	Imahori S, Kimura W, Mizuno M and Nagata A Use of dyeing assistants in high-temperature dyeing of polyester fibre ... ... ... ... ... 522
Holker J R and Honeyman J Derivatives of periodate oxy-cellulose ... ... ... ... 156	Imai M, Kitamura R and Tsuji W Fibrous acetylation of cotton ... ... ... ... ... 57, 100
Holliday L B & Co. Brown metal-complex monoazo pyrazolone dyes for wool, nylon, etc. ... ... ... ... 464	Imperial Chemical Industries Adhesives for making bonded-fibre fabrics ... ... ... ... 136, 184
Pattern Cards ... ... ... ... 460	Aftertreatment of reactive dyes and prints on cellulose ... 150, 306
Sulphurised vat dyes ... ... ... ... 142	Aqueous dispersion of pigments for colouring viscose ... 470
Hollingshead S <i>See</i> Hall A N	Azo dyes containing sulphonate groups ... ... ... ... 96
Homuth H Printing polyester-cotton fabrics with various dye combinations ... ... ... ... 253	Benzothiazoleazo benzene disperse dyes ... ... ... ... 423
Honegger C G Preparative thin-layer chromatography ... 589	Carbamic esters—antistatic agents ... ... ... ... 296
Honeyman J <i>See</i> Holker J R	Coating anodised aluminium with organopolysiloxanes ... 68
Hopff H and Schweizer H R Reactivity of polycyclic quinones—I, II ... ... ... ... 464	Coating fabric with polyurethane composition ... ... ... 309
Horie T, Masumura M and Okumura F S Sudachitin, a new flavone pigment of <i>Sudachi</i> ... ... ... ... 189	Colouring cellulose textiles ... ... ... ... ... 60
Horizon Titanium dioxide ... ... ... ... 630	Complexes of nitrogenous polyesters as rotproofing agents that also impart resistance to insect attack ... ... ... 566
Hörmann H <i>See</i> Hannig K	Control of micro-organisms in processing and cooling waters ... ... ... ... ... 134
Horn P J Dyeing of cotton yarns on beams ... ... ... ... 581	Copolymers of methyl methacrylate and methacryloyl-hydroxamic acid for filling and tanning leather ... 206
Hornuff G von 50 years of fastness testing: 1911-1961 ... 435	Cyclodisiloxanes for making porous materials waterproof or water-repellent ... ... ... ... ... 136
„ <i>See</i> Flath H J	Disazo pigments ... ... ... ... ... 421
Horrocks D <i>See</i> Entwistle S	Dis- and poly-azo reactive dyes for cellulose ... ... ... 51
Hove H von Rapid method for the determination of solids content of solutions or pastes ... ... ... ... 66	Disperse and soluble azo dyes having two dissimilar reactive groups ... ... ... ... ... 574
Howards of Ilford Sucrose esters of fatty acids as scouring and degumming agents ... ... ... ... 205	Disperse dyes for polyester fibres ... ... ... ... ... 576
Howitt F O Wool fibre and its modification ... ... ... ... 631	Dyeing cellulose with water-insoluble reactive dyes with simultaneous application of a resin finish ... ... ... 522
„ <i>See</i> Davidson A N	Dyeing natural and regenerated protein fibres ... ... ... 428
Howorth W S Assessment of fabric wrinkling... ... ... ... 259	Dyeing polyamide and basified polyacrylonitrile fibres ... 428
Huber Corp. J M Carbon black ... ... ... ... 354	Dyeing and printing protein fibres with azo disperse dyes ... 61
Improved furnace for manufacture of carbon black ... 93	Dyeing and printing protein textiles with nitro disperse dyes ... ... ... ... ... 60
Hughes E D <i>See</i> Bant horpe D V	Dyeing tightly or densely constructed cellulosic materials with reactive dyes ... ... ... ... ... 150
Hügli F <i>See</i> Bersier J, Graf J	Dyes containing monohalogeno-nitropyrimidine rings ... 302
Hund F Coloured pigment by substituting cations in a rutile structure ... ... ... ... 465	Dyes containing triazinylamino and pyrimidylamino radicals ... ... ... ... ... 195
Hünig S and Lampe W Azo dyes by oxidative coupling—XVIII, XIX ... ... ... ... 187	Embossed coated sheet material ... ... ... ... ... 477
„ and Müller F Azo dyes by oxidative coupling—XXI, XXII ... 297	Improving dye affinity of stereoregular polyolefins ... 58
„ and Oette K H Azo dyes by oxidative coupling—XVI, XVII ... ... ... ... 44	Improving stability to storing of reactive-dye printing pastes ... ... ... ... ... 61
Hunt F W Improved mounting for doctor blades used with engraved printing rollers ... ... ... ... 134	Inhibiting development of discolouration in polymers ... 66
Hunt Rodney Machine Co. Spreading or smoothing roll ... 564	Metal-complex azo dyes for wool ... ... ... ... ... 50, 571
Hunter J R Progress in finishing processes ... ... ... ... 254	Metal-complex monoazo reactive dyes ... ... ... ... 48, 628
Hunter R S Colour-difference meters for precision and accuracy ... ... ... ... 531	Mildewproofing agent ... ... ... ... ... 94
Hunter Associates Laboratory Instrument for measuring colour differences ... ... ... ... 592	Modification of polyamide fibres ... ... ... ... ... 364

Imperial Chemical Industries— <i>continued</i>	PAGE	PAGE	
Modifying cellulose and secondary cellulose acetate textiles and halogeno-1,3,5-triazines	309	Ioffe I S and Otten V F Rhodamine dyes. III—Reaction of $\alpha$ -aminophenol with phthalic anhydride in hot sulphuric acid	511
Mono- and dis-azo pigments and azoic dyes	574	„ and Seleznova N A Rhodamine dyes. V— $\alpha$ -Pyridyl-rhodamine	511
Monoazo disperse dyes	349	„ Sukhina A F and Zhukova E N Rhodamine dyes. VI—Chloride and amides of Sulphorhodamine B	511
Monoazo dyes containing a cyanuric ring	300	„ and Zal'manovich M Z Rhodamine dyes. IV—Aryl- and benzyl-rhodamine...	511
Monoazo pigments and azoic dyes having a quinoline residue	421	„ See Devyatova N I	
Monoazo reactive disperse dyes for nylon	49	Isak A M, Opanasenko E P and Pilyugin G T Synthesis of isomeric N-aryliquinidine salts and their transformation into cyanine dyes	512
Pattern Cards	40, 92, 181, 293, 460, 562	Isemura T See Ikeda S	
Phosphorus nitrile compounds—intermediates for flame-resistant polymers	243	Ishii M Improvement of vinylon by utilising saponified copolymer of vinyl acetate and allylidene diacetate	426
Phthalocyanine dyes for mass coloration of cellulose acetate	144	Studies on tetrahydrofurfuryl oxyacetalised polyvinyl alcohol. I, II	426
Polymers and copolymers of $\alpha\beta$ -unsaturated hydroxamic acids and their derivatives	185	„ Suyama H and Uzumaki M Studies on polyvinyl alcohol fibres. X—Effects of unsaponified acetyl groups in polyvinyl alcohol on fibre properties	425
Polyurethane coating compositions	99	Ishizuka O See Harada S	
Precipitated calcium carbonate	518	Istomina V N See Ermakova G A	
Printing nylon with reactive dyes	104	Ito N and Narasaki H Studies on surface-active agents—V, VI	242
Quinacridone pigments	352, 460	„ and Suzuki H Studies on surface-active agents—IV	242
Reactive dyes for cellulose	140	Iura S, Kawakami H, Kawashima K and Mori N Graft copolymerisation of styrene to polyvinyl alcohol fibres	199
Reactive monoazo disperse dyes having halogenoacyl groups	48	Ivanov V B Use of Procion dyes in histochemistry	368
Reactive printing and resin finishing of textiles	152	Iwakura Y and Tezuka Y Study of polyoxyethylene- $NN'N'$ -bis(ethyleneurethane). I—Synthesis and reactions	63
Red monoazo reactive dyes	514	Iwamura H and Oki M Carboxyl group as a proton donor in interaction between hydroxyl group and $\pi$ -electrons	368
Resilient rollers	41	Izmail'skil V A and Limanov V E Counter-polarised systems and colour. IV—Reflectance spectra of derivatives of $N\beta$ -(2,4-dinitrophenyl)-ethylaniline	136
Salts of cationic dyes—solvent dyes	142	„ and Millaresi E E Microstructure and spectra of benzylideneaniline and azobenzene derivatives and of their salts	187
Simultaneous dyeing and resin-finishing	252, 360	„ and Mostoslavskii M A Sensitivity of absorption spectra of merocyanines to solvents	347
Styryl-substituted pyridine compounds as fluorescent brightening agents	577		
1,3,5-Triazinylamino dyes	195		
Triazinylaminostilbene fluorescent brightening agents	98		
Water-insoluble anthraquinone dyes for natural and man-made fibres	52		
Water-insoluble mono- and dis-azo dyes	51		
Yellow and brown metal-complex monoazo reactive dyes	49		
Yellow monoazo reactive dyes for cellulose	49		
Yellow and red monoazo pigments and azoic dyes	466		
<b>Ingamells W, Sumner H H and Williams G</b> Mechanism of dyeing with Procion dyes. II—Mechanism of reaction with water and soluble alcohols or carbohydrates (Communication)	274		
Mechanism of dyeing with Procion dyes ( <i>Correspondence</i> )	454		
<b>Ingold C</b> See Banthorpe D V			
<b>Ingols R S</b> Factors causing pollution of rivers by wastes from the textile industry	...		
<b>Ingram A P</b> See Blane R B Le			
<b>Inman E</b> See Feather P			
<b>Inokai K</b> Synthesis of acid dyes derived from 2-nitro-4-trifluoromethylchlorobenzene	...		
<b>Inoko T</b> Identification of resins on finished cotton fabrics by paper chromatography	...		
<b>Institut für Chemie und Technologie der Plaste</b> Stabilising cellulose triacetate	...		
<b>Interchemical Corp.</b> Aminoanthraquinone derivatives of phthalic acid—red pigments	...		
Apparatus for testing lithographic inks under dynamic condition of lithographic printing and in presence of the fountain solution	...		
Chlorinated copper phthalocyanine	...		
Control of souring in flexographic inks	...		
Nickel-chelate pigments	...		
Textile printing with foam pastes	...		
Water-in-oil emulsions for printing on textiles	...		
<b>International Business Machines Corp.</b> Detecting variations in linear dimensions of moving web	...		
Printing with magnetic inks	...		
<b>International Committee for Cellulose Analysis</b> Alkalinsolubility of cellulose	...		
Kappa number of cellulose pulp	...		
<b>International Industrial Developers</b> Machine for electrostatic application of flock to form a pile on an adhesive surface	416		
<b>International Nickel Co. (Mond)</b> Ferric oxide	577, 629		
<b>International Polaroid Corp.</b> Anthraquinone dye-developers...	301		
Azo dyes derived from dihydroxyphenylketones—dye developers	466		
Colour photography by diffusion-transfer reversal process	362		
Photographic azo dye developers	104		
<b>Inveresk Paper Co.</b> Coating of paper	527		
		<b>J</b>	
Jackman L M See Barber M S			
Jackson J E Some multivariate statistical techniques used in colour-matching data—addenda and errata	590		
Jacobsen A E and Mitton P B Measurement of tinting strength of white pigments by reflectometry	589		
Jacquemart J Photometric evaluation of white textiles	480		
Jaeckel S M and Ward C D Calculation of fading rates of dyeings of different light fastness on exposure to fluorescent tubes ( <i>Lecture</i> )	532		
Variation of fading of dyeings with exposure ( <i>Communication</i> )	364		
Jaffé H H See Hahn C S	423		
Jagrova M and Rais J Effect of benzoic acid as carrier in dyeing of polyester fibres with disperse dyes	480		
Jain A C See Arora S K	353		
Jain N C and Loiwal S D Dyes derived from 4,5-dimethyl- $\Delta^4$ -tetrahydronaphthalic acid. I—Effect of methyl groups and of decreasing unsaturation in phthalic acid portion of phthalene dyes	424		
Janicek G See Davidek J	517		
Janowski M and Kranz M Activated-chrome temperature indicators	151		
Jarkovsky J See Allan Z J	61		
Jaruzelski J J and Vanderbilt B M Bonding of fillers to thermosetting resins	260		
Jeffs A R See Haslam J	208		
Jellyman P E See Forshaw L			
Jenkins L T Ink to yield luminous writing	466		
Jenny E See Bosshard H H	301		
Joa C G Coating a moving web	466		
John J A and Weymouth F J Manufacture and uses of peracetic acid	362		
Johnson A, Mort M S, Peters R H and Wada M J Effect of substituents on stability of chelates of $\alpha$ -hydroxyazo compounds	104		
„ See Aspland J R, Greenhalgh M	527		
Johnson A J See Davis A E			

PAGE	PAGE
<b>Johnson C D and Telesz L A</b> Chromatographic behaviour of some disperse dyes and related compounds ( <i>Communication</i> ) ... ... ... ... ... 496	<b>Karpov V V, Kretov A E and Lavrishchev V A</b> Use of nitrodiphenylamine derivatives in dyeing of acetate and man-made fibres ... ... ... ... ... 632
<b>Johnson W T M</b> Surface analysis and adhesion... ... ... ... ... 158	<b>Shalimova G V and Vinograd L Kh</b> 2-Anilino-1,4-naphthoquinones ... ... ... ... ... 188
<b>Johnson Corp.</b> Steam-heated drying drums... ... ... ... ... 93	<b>Karpova E N</b> <i>See</i> Eremina O I
<b>Johnson &amp; Johnson</b> Amphoteric surfactants ... ... ... ... ... 42	<b>Kärrholm M</b> <i>See</i> Behr B
Paper containing titanous hydroxide ... ... ... ... ... 65	<b>Kashlinskii A I</b> <i>See</i> Dogadkin B A
<b>Joly P</b> Effect of synthetic anionic substances on skin ... ... ... ... ... 243	<b>Kass G A</b> <i>See</i> Hoehn L
Toxicity of surface-active agents. I—Effect of synthetic anionic substances on the body ... ... ... ... ... 312	<b>Kassack F</b> <i>See</i> Berndt G
<i>See</i> Barras R	<b>Kassenbeck P</b> Electron-microscopic study of action of sodium sulphide on wool ... ... ... ... ... 520
<b>Jomain B</b> Perspectives of the future in textile printing ... ... ... ... ... 474	<b>Kataoka I and Kitamura T</b> Ageing hydrated ferric oxide. IV—Ageing of gel as function of pH and composition ... ... ... ... ... 46
<b>Jones J H, Ritchie C D and Wenninger J A</b> Coal-tar colours. XXV—D&C Yellow No. 10 ... ... ... ... ... 297	<b>Katayama A, Konishi K and Kuroki N</b> Effects of univalent inorganic anions on dyeing of vinylon ... ... ... ... ... 522
<b>Jones J I, Ochynski F W and Rackley F A</b> Polypyromellitimides: new class of thermally stable polymer... ... ... ... ... 635	Relation of chemical constitution of monoazo dyes to their dyeing properties on vinylon—I, II, III... ... ... ... ... 149
<b>Jonescu E</b> <i>See</i> Calin C	<b>Katiyar S S and Rehmaia N A</b> Influence of ionic strength on rate of alkaline fading of Brilliant Green ... ... ... ... ... 187
<b>Jonge J De</b> <i>See</i> Dijkstra R	<b>Kato E</b> Pigments for ceramics ... ... ... ... ... 465
<b>Jönsson L and Tonnquist G</b> Calculation of CIE distribution coefficients at chosen wavelengths ... ... ... ... ... 530	<b>Kato K and Yoshimura K</b> Optical microscope studies of acrylic fibres ... ... ... ... ... 250
<b>Jordinson F and Lockwood R</b> Identification of reactive dyes on cellulosic fibres ( <i>Identification of Dyes Committee Paper</i> ) ... ... ... ... ... 122	<b>Kato M and Matsunaga Y</b> Effect of steaming on rate of dyeing of polyamide and polyester fibres ... ... ... ... ... 582
<b>Joseph A</b> <i>See</i> Anand V D	<b>Kato S, Kurano Y and Suzuki Y</b> Dyeing of polyvinyl n-butylboronate with Congo Red ... ... ... ... ... 583
<b>Joseph K T</b> <i>See</i> Bose S M	<b>Katsube Y, Uesugi K and Yoe J H</b> Spectrophotometric determination of magnesium with C.I. Mordant Blue 1 ... ... ... ... ... 434
<b>Joshi D P</b> Application of refractive index in study of chemical constitution—II ... ... ... ... ... 565	<b>Katts N V</b> Uniformity of metal deposition on fabric by electro-metallisation ... ... ... ... ... 431
<i>and</i> <b>Joshi S S</b> Application of refractive index in study of chemical constitution—I ... ... ... ... ... 584	<b>Katz J J</b> <i>See</i> Crespi H L
<b>Joshi S S</b> <i>See</i> Joshi D P	<b>Kaulgud M R</b> <i>See</i> Daruwalla E H
<b>Jost S</b> Table of textile auxiliaries ... ... ... ... ... 530	<b>Kawaguchi B</b> Drying machine ... ... ... ... ... 134
<b>Joynson C</b> Transfers ... ... ... ... ... 122	<b>Kawakami H, Kawashima K, Mori N and Yamauchi A</b> Polyvinyl alcohol fibres prepared from polyvinyl acetate ... ... ... ... ... 199
<b>Judd D B</b> Blue-glass filters to approximate the blackbody at 6500K ... ... ... ... ... 590	<i>See</i> Iura S
<i>Keegan H J and Schleter J C</i> Glass filters for checking performance of spectrophotometer-integrator systems of colour measurement ... ... ... ... ... 530	<b>Kawashima K</b> <i>See</i> Iura S, Kawakami H
<i>See</i> Chamberlin G J	<b>Kazakova O A</b> <i>See</i> Gorelik D S
<b>Jungbecker J</b> Bobbin for yarn packages to be dyed ... ... ... ... ... 416	<b>Kazama S, Kumanotani J and Kuwata T</b> Studies on phenolic resins. IV—Physical and chemical properties of coating films of Japanese Lac ... ... ... ... ... 256
<b>K</b>	
<b>Kahn L</b> <i>See</i> Carroll R	<b>Kazanskaya M E</b> <i>See</i> Belen'kil I I
<b>Kaizerman S, Meinhold L F and Mino G</b> Polymerisation of vinyl monomers in cellulosic fibres ... ... ... ... ... 308	<b>Kazaryan L Z and Zaprosoyan T O</b> Saponification of polyvinyl acetate by dimethyl sulphate ... ... ... ... ... 257
<b>Kakamura M, Morose T and Ueda Y</b> Mechanism of the reaction between fructose and diphenylamine... ... ... ... ... 95	<b>Kazubek M and Lasek V</b> Synthetic resin emulsions in the leather industry ... ... ... ... ... 206
<b>Kakiyama H</b> Mechanism of tanning ... ... ... ... ... 364, 587	<b>Kazymov A V, Kukhtin V A and Voskoboeva T N</b> Synthesis of phosphocyanine dyes ... ... ... ... ... 95
<i>and</i> <b>Kamei H</b> Mechanism of tanning ... ... ... ... ... 587	
<b>Kalinina I N</b> <i>See</i> Il'yashuk N D	<b>Keegan H J</b> <i>See</i> Judd D B
<b>Kalinina K G and Sadov F I</b> Action of surface-active agents during dyeing of acetate with disperse dyes ... ... ... ... ... 632	<b>Keggi J J, Wasserman H H and Williams L L</b> Prodigiosine-like fungal pigment from <i>Streptomyces longisporus</i> rubber ... ... ... ... ... 348
<b>Kälke E</b> Quantitative estimation of titanium dioxide and barium sulphate in white pigments ... ... ... ... ... 207	<b>Keller M</b> Fluorescent brightening agents in resin finishing ... ... ... ... ... 153
<b>Kalle &amp; Co.</b> Enzymatic desizing and bleaching of textiles ... ... ... ... ... 148	<b>Keller R and Schifferle W</b> Fouillard application of fluorescent brightening agents on cellulose ... ... ... ... ... 350
Heat-sensitive reproduction materials ... ... ... ... ... 362	
<b>Kalojanoff A, Reindl S and Strell M</b> Polymethine dyes. IX—Polymethine dyes from diphenylamine and dinaphthylamine ... ... ... ... ... 632	<b>Kelly P W</b> <i>See</i> Dratz E A
<b>Kalontarov I Ya and Kharkharov A A</b> Reaction of dichlorotriazine reactive dyes with Capron fibre... ... ... ... ... 245	<b>Kempton A G</b> <i>See</i> Greenberger M
<b>Kaltschev E</b> <i>See</i> Dimov K	<b>Kendall Co.</b> Continuous scouring and bleaching of raw cotton and other cellulosic natural fibres ... ... ... ... ... 59
<b>Kalyavina L F, Shakhkel'dyan B N and Sinegub-Lavrenko A</b> Changes in structural-mechanical properties of printing inks during ageing ... ... ... ... ... 473	<b>Keppel R A and Walker R D</b> Paper from inorganic fibres ... ... ... ... ... 527
<i>A</i> Changes in structural-mechanical properties of printing inks during ageing ... ... ... ... ... 107	<b>Kern F and Milicević B</b> Thermodynamics of the dyeing process—I... ... ... ... ... 200
<b>Kamerbeek B</b> <i>See</i> Algern A	<i>and</i> <b>Schaub H P</b> Contribution to problem of wool scouring—relationship between dyeability of wool and damage to the epicuticle ... ... ... ... ... 580
<b>Kaminskii A Ya</b> <i>See</i> Gitis S S	
<b>Kaminskii Yu L</b> <i>See</i> Bershtein I Ya	<b>Kerr-McGee Oil Industries</b> Wax-in-water emulsions—paper sizes... ... ... ... ... 462
<b>Kantner G C</b> <i>See</i> Hoey C E	
<b>Kao L-L and Yun K-H</b> Dyes containing furan rings. II—Synthesis of the $\alpha$ -furyl analogue of Malachite Green ... ... ... ... ... 463	<b>Kerres R</b> Modern methods of finishing man-made-fibre textiles ... ... ... ... ... 476
<b>Kape J M</b> Unusual anodising processes and their practical significance... ... ... ... ... 592	
<i>and</i> <b>Mills E C</b> Production of coloured anodic films with inorganic pigments ... ... ... ... ... 60	<b>Khanafi Z</b> <i>See</i> Farag M S
<b>Kaplan A M</b> <i>See</i> Dahl S, Greenberger M	
<b>Kardash N S</b> <i>See</i> Bagdasar'yan Kh S	
<b>Kargin V A, Markova G S and Razikov K Kh</b> Investigation of secondary structures formed in Capron fibres ... ... ... ... ... 250	<b>Kharkharov A A</b> <i>See</i> Kalontarov I Ya
<i>See</i> Alekseeva E S	
<b>Kholmogorov V E</b> <i>See</i> Akinov I A	
<b>Khoroshaya E S</b> <i>See</i> Afanas'ev A V	
<b>Khudyakov T A</b> <i>See</i> Balandina M A	
<b>Khvostenko N M, Rogovin Z A and Wei-gan Chzhan</b> New methods of rendering cellulosic fabric water-repellent... ... ... ... ... 63	
<b>Kiel E G and Kuypers G H A</b> Paper chromatography of dyes. II—Disperse dyes and anthraquinone derivatives ... ... ... ... ... 636	

PAGE	
Kijima T and Toda H	Comparison of characteristics of softwood and hardwood sulphite pulps during bleaching. I—Behaviour of hemicelluloses and lignin during bleaching
„ See Hamada T	
Kimberley-Clark Corp.	Rendering dyed cellulose cloth water-repellent and flame-resistant
Kimizuka H, Matsubara A and Matuura R	Absorption of detergents at solution-air interface by radiotracer method—IV
Kimura W See Imahori S	
Kindlimann H, Rath H and Ruoff T	Comparative stabilisation tests on wools
Kine B B and Nuessle A C	Reactive acrylics—a new type of textile finishing material
King T J and Newall C E	Chemistry of colour reactions: Zimmermann reaction
Kinnard V	U.S. imports of synthetic dyes and organic pigments in 1960
Kipriyanov A I, Shulezhero A A and Sych E D	Cyanine dyes from 2-methylecaptheno-(1,2-d)-thiazole
„ and Sych E D	Steric hindrance in molecules of 4,4'-diaryli-thiazolocyanines
Kipriyanova L A and Rekashova A F	Hydrolysis of vinyl acetate and vinyl benzoate
Kirk P	See Conway J V P
Kirkpatrick G P	See Carty B R
Kirner H D and Wizinger R	2,4-Diphenyl-5,6,7,8-tetrahydrobenzopyrrolycine
Kirillov N I, Levkoev I I and Strel'nikova A P	Dye formation in black-white development of colour films
Kiselev A V, Korolev A Ya and Kovaleva N V	Adsorptive properties of oxidised Carbon Blacks. I—Oxidation of Channel Black in aqueous medium
Kishi N	Effects of gamma radiation on various fibres
Kisteneva M S	Colour of substituted oxindole azomethine dyes
Kitagawa S and Matsumuro H	Changes in purity of carotene crystals during storage
Kitamura R and Tsuji W	Studies on fibrous acetylation of cotton. VI—Effect of alkali pretreatment on properties of acetylated cotton fabrics
„ See Imai M	
Kitamura T	See Kataoka I
Kitao T, Konishi K and Kuroki N	Reactive dyes containing chloroacetyl and chloropropionyl groups
„ „ and Takagi I	Reactive dyes containing glycidyl groups
Kitazawa T, Murahashi S, Nozakura S and Tadokoro H	Infrared spectra of isotactic poly- $\alpha$ -olefins
Klapper H	New developments in union dyeing
Klein R	Application of Polyestren printing brands
Kleinert T N and Marraccini L M	Ageing and colour reversal of bleached pulps. I—Peroxide formation during ageing
„	Spectrophotometric estimation of peroxide in cellulosic materials
Kleinewefers Joh Sohne	Calenders
„	Open-width scouring machine
„	Printing roller assembly
„	Squeeze rollers for hanks
Klemm L H	See Antoniades E P
Klimova V A and Zabrodina K S	Microdetermination of methoxy and ethoxy groups
Klimovich V V	See Grandberg I I
Kling A and Kurz J	Relation between fluorescent processes and properties of fluorescent brighteners
Kling W	See Goebell K
Klingsberg E	1,3-Dithiolium salts: a new pseudoaromatic cation
„ and Schreiber A M	The 1,2-dithiolium cation. II—Condensation of phenyl-1,2-dithiolium salts with tertiary aromatic amines
Kliyuev V N	See Dogadkina L A, Egorov P S
Klapsack-Griesheim	Coating in a fluidised bed
Knobl H E	Radioactive isotopes and their use in the textile industry
Kobayashi A, Mikawa H and Sato K	Mechanism of pulp bleaching
Kobayashi T	See Ando N
Kobayashi Y and Okajima S	Variation of dichroic constant of fibres dyed with Congo Red
Koch P-A	Fibre classification table
Polyacrylonitrile fibres	„
Köcher E-U and Ried W	Use of pyrazolo[1,5- $\alpha$ ]pyrimidines in synthesis of dyes
Koczur L and Staniewski J	Impregnating leathers with complex chrome salts of fatty acids
Kodak	
Coating apparatus	„
Colour photography	„
Dyes for sensitising zinc oxide photoconductive layers	„
Mordanted printing blanks for imbibition dye printing	„
Photographic dye imbibition process	„
Stabilised colour photographic developer	„
meso-Substituted carbocyanine dyes	„
Undissociated cyanine dyes	„
Web-coating apparatus	„
Koenig N H	Modification of wool in dimethylformamide with mono- and di-isocyanates
Koizumi M, Obata H and Usui Y	Photoreduction of Methylene Blue by light in aqueous solutions containing inorganic salts
„ and Toda S	Infrared and visible spectra of phenolazo-pyrazolone dyes
„ and Usui Y	Photoreduction of Methylene Blue in presence of inorganic ions. III—Reaction kinetics
„ and Watanabe A	Dye-sensitised photopolymerisation of vinyl compounds. Polymerisation of acrylonitrile by stannous chloride and Acriflavine—I
Kojima M	Colour of synthetic ferric oxide and its hydrate. II—Colour of synthetic lepidocrocite and $\beta$ -Fe <sub>2</sub> O <sub>3</sub> ·H <sub>2</sub> O
Kolach T A	See Grigor'ev V A
Kolesnik Yu A and Kozlov V V	Anthraquinone series. XXXIII—Reaction of anthraquinone sulphonic acids with basic dyes
Kolesnikov D G and Maksytina N P	Flavonoids of the fruits of pasture parsnip ( <i>Pastinaca Sativa</i> L.)
Kolotyrkin Ya M, Nitsberg L V and Yakubovich S V	Electrochemical determination of optimum passivating pigments in paints and effective thickness of protective coatings
Kolyadenko S S	Transparency to ultraviolet radiation of fabrics treated with fluorescent brightening agents
Komuro T and Toyoda H	Tanning properties of dialdehyde starch
Kondo M, Machida J, Machida S and Yoshikawa S	Ethylenimine derivatives. I—Utilisation as finishing agents for textile fibres. II—Application in textile finishing and aziridinyl-modified Procion-type dyes
Konishi K	See Iida H, Katayama A, Kitao T
Konstantinova V V, Nikitina S A, Taubman A B and Zakieva S Kh	Wetting power of surface-active agents and rate of their adsorption from aqueous solutions
Koopman H	Hydrolysis of 2-substituted 4,6-dichloro-1,3,5-triazines
Koppers Co.	Dyeing anodised aluminium from solvent solution
„	Solid vat dye compositions
Korbil J, Svoboda V and Terzijska D	Substituted phthalocyanine dyes
„	Substituted sulphophthalocyanine dyes
Korchagin M V, Matetskii I A and Sadov F I	Accelerated dyeing of wool
Koret of California	Press-free crease-retaining garments
Kornuta P P	See Chernyuk I N
Korolev A I	See Bilik I M, Gorunova Zh A
Korolev A Ya	See Kiselev A V
Kociuk J	See Dworak L
Koshimo A and Tagawa T	Relation between physical structure and dyeability of nylon 6 fibres. II—Effect of tension, twist, and heat-setting temperature on dyeability of bulked yarn
Kositzke G G	Problems in use of organic pigments for stoving lacquers
Kosztrica J	See Herzog H
Kotlyarevskii I L	See Andrievskii V N
Kotova B I and Mel'nikov B N	Effects of hydrophilic organic solvents on kinetics of dyeing of cellulosic fibres with direct dyes
Kovaleva N V	See Kiselev A V
Kovtunenko G A and Shalimo Z H	Colouring glass blue or pink with cobalt pigments of spinel type

AGE	PAGE	PAGE
58		
631		
626	<b>Kozlov V V</b> <i>See</i> Belov B I, Kolesnik Yu A	
365	<b>Kozlov Yu I, Nurmukhametov R N, Puchkov V A and Shigorin D N</b> Luminescence spectra of azomethine compounds	463
508	<b>Kozlova N V, Krymova A I, Popova Z V and Yanovskii D M</b> Effects of <i>s</i> -triazine derivatives on stability of polyvinyl chloride	297
202	<b>Kozlova V S</b> <i>See</i> Arkhipova T N	
196	<b>Krajčinovič M</b> <i>See</i> Bravar M	
105	<b>Krantz-Aachen H</b> Wet treatment of textiles	41
362	<b>Kranz M</b> <i>See</i> Janowski M	
62	<b>Krasny J F, Sookne A M and Stan P B</b> Fabric construction for wash-and-wear cottons	430
142	<b>Krasovskii B M and Kravchenko E F</b> Benzoylbenzimidazoles, naphthoylbenzimidazoles and perimones, and their application in mass coloration of Capron	351
565	<b>Mal'tseva N I and Matskevich R M</b> Comparative study of isomeric disazo dyes, derivatives of 2,5-diphenyl-1,3,4-oxadiazole	308
512	<b>Pereyaslava D G and Serova T A</b> Effect of steric factors on the properties of dyes containing the biphenyl nucleus. X—Absorption maxima of some azo dyes	297
244	<b>Smelyakova V B</b> Relation between structure and properties—derivatives of benzanilide. III—Disazo dyes from 4,4'-diamino derivatives of phenylacetanilide and <i>N</i> -benzylbenzamide	297
528	<b>Krause U, Meckel L and Milster H</b> Thin-layer chromatography for textile assistants and dyes	207
46	<b>Kravchenko E F</b> <i>See</i> Krasovskii B M	
208	<b>Kressman T R E and Millar J R</b> Relationship between swelling and cross-linking of sulphonated polystyrene resins	157
348	<b>Kretov A E and Okhramovich A E</b> Preparation of polyesters from 9,0-fluorenedipropionic acid	207
158	<b>Krichevskii G E and Sadov F I</b> Dyeing of cellulose with reactive dyes—II	427
579	<b>Kriman S</b> Structure of $\alpha$ -keratin	198
564	<b>Krimpen P C A van</b> Historical development of resin treatment of cellulosic textiles	253
364	<b>"Non-iron"</b> viscose rayon fabrics	363
184	<b>Kroes G H</b> <i>See</i> Algera A	
510	<b>Krongauz V A</b> <i>See</i> Bagdasar'yan Kh S	
461	<b>Krug P</b> <i>See</i> Entwistle S	
151	<b>Krymova A I</b> <i>See</i> Kozlova N V	
302	<b>Kryvkova A S</b> <i>See</i> Arkhipova T N	
201	<b>Kubis W L</b> <i>See</i> Cowan J C	
155	<b>Kühn K</b> Structure of collagen	635
102	<b>Kühn Zimmer E</b> Properties of tropocollagen molecule and their significance in fibril formation	433
355	<b>Kuhn Vierhaus &amp; Cie</b> Coated yarns	106
355	<b>Kühnel</b> Textile printing with Levafox reactive dyes	202
151	<b>Kujirai C and Fujita I</b> Photochemistry of sodium chloride in solution, with reference to chlorite bleaching (Communication)	80
523	<b>Kukhtin V A</b> <i>See</i> Kazymov A V	
423	<b>Kullman R M H, Moore H B, Reid J D and Reinhardt R M</b> Use of co-reactant curing agents with diepoxy to impart crease-recovery properties to cotton fabrics	302
201	<b>„</b> <i>See</i> Fenner T W, Frick J G	
155	<b>Kumanotani J</b> <i>See</i> Kazama S	
102	<b>Kuno H</b> <i>See</i> Abe R	
355	<b>Kunoshima Kagaku Kogyo</b> Polycarbonate fibres	580
355	<b>Kunze W</b> Dyeing polyester fibres in mixtures with wool	60
355	<b>Küppers W</b> Rongal A in flash ageing (Symposium)	597
521	<b>Kurano Y</b> <i>See</i> Kato S	
60	<b>Kurashiki Rayon</b> Improving dyeability and resistance to alkali of polyvinyl alcohol fibres	147
102	Polyvinyl alcohol fibres having good substantivity for direct and basic dyes	471
355	<b>Kurche Spinning Co.</b> Setting creases and seams in amino-plast-resin-treated fabrics	432
521	<b>Kuribayashi S and Nakai A</b> Heat-treatment of polypropylene fibres. II—X-ray studies on changes in crystallinity by heat-treatment	304
60	<b>Kuroki N</b> <i>See</i> Katayama A, Kitao T	
60	<b>Kurskaya A G, Rozenfel'd I L, Rubinstein F I and Yakubovich S V</b> Electrochemical methods of investigating passivating properties of pigments in paint films	303
	<b>Kurth H and Lünenschloss J</b> Properties of fabrics from mixtures of polyester fibre and combed cotton	476
	Weather-resistance of polypropylene fibres	147
	<b>Kurz J</b> <i>See</i> Kling A	
	<b>Küster W and Schetty G</b> Isomeric 1:2-chromium and cobalt complexes of the <i>o</i> -hydroxy- <i>o</i> '-carboxyazo series	186
	<b>Küsters E</b> Pressure roller	461, 625
	Wet treatment of textiles	41
	<b>Kuth H</b> Dyeing fabrics from polyester fibre and mixtures with wool and cotton by the Thermosol process	103
	<b>Kutkin F A</b> Removal of scale from kier heating coils	625
	<b>Kuwabara N</b> <i>See</i> Fukuya N	
	<b>Kuwana M, Misumi S and Nakagawa M</b> Alternant conjugate systems—III, IV	345
	<b>Kuwata T</b> <i>See</i> Kazama S	
	<b>Kuypers G H A</b> <i>See</i> Kiel E G	
	<b>Kuznetsova A P</b> <i>See</i> Chernomordik A Z	
	<b>Kuznetsova S S</b> <i>See</i> Borodkin V F	
	<b>L</b>	
	<b>Lacy R E, Salvin V S and Schoeneberg W A</b> Optimum dyeing and finishing of specific polyester blend fabrics	306
	<b>Lako J and Veer L S</b> Assessment of crease resistance and crease recovery	312
	<b>Lal A B</b> Cyanine dyes—I	45
	<b>„</b> and Tiwari R D Phthalimide dyes from 1,2-cyclohexanedicarboxylic acid	94
	<b>Lalor G C</b> Studies on haematoxylin and haematein, the colouring principles of logwood. III—Fading of haematein in aqueous acidic solutions (Communication)	549
	<b>Lambert J</b> Lighting	436
	<b>Lambrinou I</b> Use of chlorine dioxide in yarn bleaching	58
	<b>Lammers M K</b> <i>See</i> Dijkstra R	
	<b>Lamoen F L J van</b> <i>See</i> Faasen N J	
	<b>Lampe W</b> <i>See</i> Hüning S	
	<b>Landau R</b> Diazo-type process	361
	<b>Landerl H P</b> Some aspects of dyeing of blends of Dacron and cotton	582
	<b>Landmann A W</b> Variations in finish characteristics produced by changes in the casein-resin ratio	365
	<b>„</b> and Mitton R G Finishing of snuffed chrome leather with resin emulsions	365
	<b>Lang H W</b> Application and processing of titanium adhesives in the lacquer and plastics industries	478
	<b>Langston J H, Olson E S and Rainey W T</b> Effects imparted by rubber and resin latices to chemically modified and unmodified cotton fabric	475
	<b>Lanter J</b> Optimum brightening effect on polyester fibres	60
	<b>Laporte Titanium</b> Titanium dioxide	99
	<b>Larin V A</b> <i>See</i> Bakh N A	
	<b>Larose P and Donovan R</b> Sorption of acids by wool from mixtures of acids. I—Sorption of hydrochloric acid and dichloro- or monochloro-acetic acid (Communication)	24
	<b>Larson E C and Reynolds W W</b> Fundamentals of solvent selection for paint systems	354
	<b>Larsson T</b> High-velocity air hoods in multi-cylinder drying	294
	<b>„</b> <i>See</i> Brauns O	
	<b>Lasek V</b> Determination of chromium in leather	368
	<b>„</b> <i>See</i> Kazubek M	
	<b>Lassites D R</b> Self-cross-linking thermoplastic resins for textile finishing	344
	<b>Laszlo A</b> Inspection machine for fabrics	134
	<b>Laughlin R D</b> <i>See</i> Davies J E	
	<b>Lavell H H</b> Daylight fluorescent pigments	628
	<b>Lavrishchev V A</b> <i>See</i> Karpov V V	
	<b>Lawrence A S C</b> Mechanism of detergence	148
	<b>Leather Research Corp.</b> Formaldehyde tanning	255
	<b>Lebok F</b> Heat stability of insulating varnishes as a problem in reaction kinetics	56
	<b>Lebreton P</b> Leucoanthocyanins	139
	<b>Leebeek H J and Walraven P L</b> Chromatic Stiles-Crawford effect of anomalous trichromats	591
	<b>Leemetalts and Stanway E</b> Horizontal beam-dyeing machine	625
	<b>Leeming P R</b> <i>See</i> Bu'Lock J D	
	<b>Lees J and Sons Co.</b> Pile-fabric dyeing machine	183
	<b>Legkun Ya A</b> Effect of sunlight on degradation of viscose rayon	100
	Influence of concentration of dye and fixing agent on light fastness of dyes and resistance of dyed fibre to light	200

PAGE	PAGE		
Lehmann A Analytical separation of volatile constituents in printing colours ...	252	Lui Y-K, Schaeffer W D, Schiesser R H and Zettlemoyer A C Pigment dispersion in high-speed impeller mixers. I—Energy inputs ...	354
Lehtikoski O, Soila R and Virkola N E Reactions taking place in chlorine dioxide bleaching of pulp ...	631	Lünenschloss J See Kurth H	
Leigh R A Bleaching action of sodium chlorite on cotton— influence of pH ...	199	Lupusor Gh See Lixandru T	
„ See Higginbotham R S	360	Lurie A P See Brown G H	
Lemaire P Coloured linen yarn ...	360	Lushine N P See Gordinskii B Yu	
Lemin M N See Goryachenko N A	628	Lyande Yu V See Belov B I	
Lennox F G See Fraser R D B	628	Lykova A N See Afanas'ev A V	
Lenoir J Phthalocyanines ...	201	Lynn Carbon Black Co. Carbon Black ...	424
Leonard E K See Berard W N, Chance L H	60	Lyon V D Measuring colour fastness to washing ...	435
Leurch U Levelling of disperse dyes on polyester fibres— Erratum ...	462	Lyubomudrov E B, Shablya A V and Terenin A N Formation of unstable forms of phthalocyanines and haemato-porphyrin by flash illumination ...	95
Leuzinger J Dyeing and finishing polyester-wool mixture products ...	157	<b>M</b>	
Levey M Chemical technology in early Muslim times—inks, leather dyes, and paper ...	157	Ma T S See Hirsch A	
Levin D M More accurate calculation of thermal data for drying ...	62	McBrayer R L and Nichols N S Continuous automatic manufacture of hypochlorite solutions from soda ash ...	417
Levin E S Kinetic currents in reduction of naphthalene sulphonate acids ...	462	M'Cardell & Co. Ossward Nullifying the effect of residual surfactant in textiles ...	526
Levkoev I I See Kirillov N I	542	McCartney J Formaldehyde in resin finishing ...	565
Levy E Chemical changes in post-tanning processes in manufacture of shoe upper leather ...	358	McDonald J J Fundamentals of modern dyeing and finishing equipment ...	251
Levy I Foam-backed and coated fabrics ( <i>Lecture</i> ) ...	137	Mechanical finishing of fabrics ...	307
Lewin M See Epstein J A	542	MacDonell H L Porous-glass electrophoresis ...	107
Lewis D M Dyeing and finishing costs ...	510	„ and Williams J P Porous-glass chromatography of water-soluble inks ...	108
Lewis E S, Ritchie C D and Sager W F Application of linear free energy relationships to some reactions of triarylmethane derivatives ...	358	McElrath W W Shrink-resistant finish ...	205
„ and Saltiel J D Reaction of diazonium salts with nucleophiles—VIII ...	137	MacGillavry F and Multern P J Van Chromatography of some triphenylmethane dye mixtures ...	138
Li S-H See Chang C-L	308	MacGregor J H Synthesis of vinyl derivatives and their textile applications ( <i>Lecture</i> ) ...	114
Lieberman E See Dowd R T	308	Machida J, Machida S and Tanaka H Ethylenimine derivatives. III—Application to dyes ...	571
Lifland L and Pacsu E Introduction of 6,6'-disulphide cross-links into cellulose ...	430	„ See Kondo M	
Limanov V E See Izmail'skii V A	430	Machida S See Kondo M, Machida J	
Limdi K M and Valko E I Curing swollen cotton at high temperature ...	231	Machtina K A See Chernyakovskii F P	
Lindley F W and Harris P Rates of fading of British dyed-wool light-fastness standards in daylight ( <i>PTCC Sponsored Paper</i> ) ...	203	Mack C H and Reeves W A Crease-recovery properties of dialdehyde cotton ...	63
Linke F and Sommer H New possibilities in finishing ...	155	Mackay A L $\beta$ -Ferrie oxyhydroxide ...	348
Lipaco Bonded-fibre fabrics ...	100	Mackay B H and Watt I C Comparison by various techniques of absorption of water into wool fibres ...	367
Incorporating synthetic resins in regenerated cellulose fibres ...	312	McKay J E See Corbett W M	
Measuring amount of finish applied to fibrous materials ...	569	McKay R B See Giles C H	
Liquorice W F See Alsberg F R	569	McKelvey J B See Benito R R	
Lishko V K and Stetsenko A V Imidocyanines containing an electronegative substituent ...	147	Mackie J S and Nye J D Electron microscopy of artificially weathered paint films ...	578
Little J S Terylene polyester fibre and its application in the rubber industry ...	427	McLaren K ASDC Examination Papers ( <i>Correspondence</i> ) ...	177
Litzler A Pad dyeing of cellulosic materials with leuco esters of vat dyes ...	568	Difficulties in the assessment of light fastness ( <i>Correspondence</i> ) ...	503
Lixandru T and Lupusor Gh Stilbene azo dyes ...	205	Importance of temperature and relative humidity in light-fastness testing: a correction ( <i>PTCC paper</i> ) ...	34
L & L Manufacturing Compressive shrinking of tubular fabric	205	Problem of illumination in colour matching ( <i>Lecture</i> ) ...	261
Lockwood R See Jordison F	207	McLeod G L Reaction of several aminopyridines with formaldehyde ...	295
Lohrscheid I O Electrometric titration of azo dyes and their reductive cleavage products—I ...	186	McMahon G B See Downes J G	
Loiseleur J and Petit M Direct radiosynthesis of dyes ...	508	McMillan O J See Berard W N	
Loiwal S D See Jain N C	186	McMoran H ASDC Examination Papers ( <i>Correspondence</i> ) ...	336
Loo W J van and O'Brien S J Chemical bonding and reaction rates of crease-recovery finishes on cotton ...	106	McNaughton J G Surface characters and surface-active agents in paper industry ...	310
Loosli H Preventing formation of boiler scale ...	430	McNeil E Antibacterial activity of treated fabrics ...	436
Lopes G S See Bibikova T T	508	Evaluation of antibacterial finishes on fabrics ...	436
Lorás V How dyes influence opacity ...	145	„ See Greenstein M	
Los Angeles Society for Coatings Technology Surface area-pigment volume concentration relationship for various extender pigments ...	364	McPhee J R Increasing rate of felting of wool ...	254
Lovejoy E R See Bowers G H	364	New advances in methods for imparting "easy-care" properties to wool fabrics ...	300
Lowe H and Otto G Hydrotropic effects of surface-active agents on hide ...	436	Rate of felting of untreated and shrink-resistant wool fabrics ...	64
Lucchesi C A and Tessari D J Qualitative and spot tests for polymers and resins ...	145	Shrink-resist treatment and laundering of wool fabrics ...	204
Luck W Interdependent phenomena in the colouring process ...	200	„ See Feldman H D	
Lucken E A C See Gerdl R	99	McSherry W F See Arthur J C	
Ludgens & Sohne Zinc sulphide ...	204	Maenchen K See Glassmann C	
Ludlow Corp. Coating and/or smoothing filaments and yarns ...	99	Magat M See Balestic F	
Ludmer Yu V, Stoyan L V and Yurkova A P Package dyeing cotton and viscose staple yarn with solubilised vat dyes	59	Magnussen F Effect of softeners on thermoplastic resins ...	344
	59	Mahalt K See Grunert H	
	99	Mahrani J See Gasparic J	
	294	Maimind V I See Agadzhanian Ts E	
	99	Maisano G and Steffanoni E Inorganic antiseptic products ...	98
	59	Majzner J and Wawrzyniak A Use of azole dyes in dyeing polyester and acrylic fibres ...	359

PAGE	PAGE
354	<b>Mak E Y K</b> <i>See</i> Antoniades E P
354	<b>Makinson K R</b> Studies of movement of wool fibres in fabrics during felting. IV—Quantitative relations between duration of milling, shrinkage, and fibre movement ... 475
354	<b>Maksutina N P</b> <i>See</i> Kolesnikov D G
354	<b>Malkhov R A</b> <i>See</i> Babotin V P
355	<b>Malat M</b> Dissociation constants of Chrome Azurol S ... 463
355	<b>Malevannyi V A</b> Accelerated method for determining manganese in titanium dioxide ... 636
355	<b>Malinina A I</b> <i>See</i> Finkelstein M Z
355	<b>Malinovskaya T A</b> Thickening of dispersed pigment suspensions by temporarily aggregating with polyacrylamide ... 99
355	<b>Malova T N</b> Production of printing inks from aqueous pastes of pigments ... 355
355	<b>Mal'tseva N I</b> <i>See</i> Krasovitskii B M
355	<b>Mamaeva E K</b> <i>See</i> Belov B I
355	<b>Manabe O</b> Sulphur dyes (Hyaman dyes) ... 138
355	„ <i>See</i> Hiyama H
355	<b>Mandasescu L</b> <i>See</i> Gabe I
355	<b>Mandelkern L</b> <i>See</i> Diorio A F
355	<b>Mandyuk V F</b> <i>See</i> Gordinskii B Yu
355	<b>Mangels, Harold Co.</b> <i>See</i> Dorsett R R
355	<b>Mannsfeld S P</b> and <b>Musso H</b> Orcelin pigments. XIII—Synthesis and rate of acetylation of $\alpha$ -Aminoiso-orcein
355	<b>Manovicu I</b> and <b>Nana I</b> Alkylphenols for synthetic resins soluble in oil—III ... 299
355	Some phenolic resins soluble in vegetable oils. III—Cyclohexylphenol-formaldehyde resins ... 365
355	<b>Manufacture de Feutres de Mouzon-Anciens Etablissements Roger Sommer et ses Fils</b> Flock coating of fabrics ... 586
355	<b>Marburger Tapetenfabrik J B Schaefer</b> Printing a repeated pattern on wallpaper, cloth, films and the like... 104
355	<b>Marco C G de</b> and <b>Mello G</b> Water- and oil-resist finish fast to washing and drycleaning... 634
355	<b>Marek J</b> Catalytic action of cuprous chloride. IV—Factors influencing reaction kinetics of Sandmeyer reaction ... 417
355	„ and <b>Marková D</b> Sulphur dyes. I—Constitution of the light-fast yellow sulphur dye Immedial Light Yellow GWL ... 570
355	<b>Margeson J H</b> <i>See</i> Hersch S P
355	<b>Marhan J</b> <i>See</i> Arient J
355	<b>Marian D</b> Dyeing polyester fibres and blends with Esterophile dyes ... 60
355	<b>Markarian H</b> <i>See</i> Enos H F
355	<b>Markiewiczowa W</b> , <b>Schmidt H</b> , <b>Trepka E</b> and <b>Zyzka D</b> Determination of ignition temperature of vegetable fibres ... 367
355	<b>Markocki W</b> Meso-substituted cyanine dyes ... 347
355	<b>Marková D</b> <i>See</i> Marek J
355	<b>Markova G S</b> <i>See</i> Kargin V A
355	<b>Marraccini L M</b> <i>See</i> Kleinert T N
355	<b>Marsh J T</b> Chemical agents for crease-resist finishing... 93
355	Fibre structure and chemical processing ... 520
355	Modern textile finishing ... 429
355	Self-smoothing fabrics: recovery measurements ... 160
355	Self-smoothing fabrics: the smooth-drying effect... 253
355	Smooth-drying cotton: morphology ... 584
355	Smooth-drying cotton: where does the reagent go? 308
355	<b>Marshall C D</b> and <b>Somerville G R</b> Thermoplastic epoxy polymer surface coatings... 355
355	<b>Marshall W J</b> <i>See</i> Fowler J A
355	<b>Martin P</b> Practical method of colour measurement... 531
355	<b>Martin A R</b> and <b>Rutkowski B J</b> Adsorption of calcium and polyphosphates on cotton cellulose and its effect on soil deposition ... 59
355	„ <i>See</i> Davis R C
355	<b>Martin E L</b> <i>See</i> Dickinson C L
355	<b>Martin F</b> Selection of compatible dye formulas for secondary acetate ... 521
355	<b>Martin R</b> <i>See</i> Barbas R
355	<b>Martynova R G</b> <i>See</i> Fedchenko V S
355	<b>Marzetta B</b> <i>See</i> Grün F
355	<b>Maschinenfabrik Eugen Bellmann</b> Automatic hosiery-dyeing machine ... 294
355	<b>Masud K</b> <i>See</i> Azhar R
355	<b>Masumura M</b> <i>See</i> Horie T
355	<b>Matejec R</b> Electric and photoelectric properties of organic dyes in connection with photographic optical sensitisation— I, II ... 346
355	<b>Matetskii A I</b> and <b>Sun Li I</b> Printing polyester sliver... 253
355	„ <i>See</i> Korchagin M V
355	<b>Mather &amp; Platt</b> Fluidised bed machine for treating textiles... 183
355	<b>Mathieson A R</b> Sorption of methacrylic acid by nylon... 147
355	<b>Matrka M</b> <i>See</i> Arient J
355	<b>Matschat K</b> Cross-linking reactions in finishing treatments ... 152
355	<b>Matskevich R M</b> <i>See</i> Krasovitskii B M
355	<b>Matson M E</b> Trends with organic pigments ... 245
355	<b>Matsubara A</b> <i>See</i> Kimizuka H
355	<b>Matsubara S</b> <i>See</i> Hiyama H
355	<b>Matsuki M</b> and <b>Terasaki I</b> Oxidation of cellulose by ceric salt and graft polymerisation ... 356
355	<b>Matsumuro H</b> <i>See</i> Kitagawa S
355	<b>Matsumaga Y</b> <i>See</i> Kato M
355	<b>Matthew M</b> <i>See</i> Gibson K D
355	<b>Matuura R</b> <i>See</i> Kimizuka H
355	<b>Maurer H</b> Automation in machine dyeing ... 564
355	Dyeing piece goods in autoclaves ... 581
355	<b>Mauzeral D</b> Photoreduction of porphyrins: structure of the products ... 513
355	<b>Mawson J F</b> and <b>Rattee I D</b> Observations on economics of dyeing with reactive dyes ( <i>Lecture</i> ) ... 161
355	<b>May K</b> and <b>Rothe O</b> Detection of faults in textiles ... 530
355	<b>Mead Corp.</b> Cast-coated paper ... 255
355	<b>Mecheels O</b> Effects of finishing on physiological properties of clothing ... 204
355	<b>Meckel L</b> and <b>Milster H</b> Determination of resin finishes ... 158
355	„ <i>See</i> Krause U
355	<b>Médico A</b> Waterproofing polyester and polyester mixture fabrics ... 64
355	<b>Mehrotra J K</b> and <b>Srivastava K</b> Fungicidal and bactericidal studies of some hydrazones—I ... 295
355	<b>Mehta H U</b> , <b>Ravikrishnan M R</b> and <b>Chitale A G</b> Study of abnormal viscosity of Procion-dyed cellulose in cuprammonium hydroxide ( <i>Communication</i> ) ... 552
355	<b>Mehta P C</b> and <b>Modi J R</b> Chlorine retention of fabrics treated with dimethylolethylene urea ... 153
355	„ and <b>Upadhyay P B</b> Effect of yarn twist and fabric cover factor on crease recovery and tear strength ... 308
355	„ <i>See</i> Gokhale M K
355	<b>Meier H</b> <i>See</i> Haus A
355	<b>Meier W</b> <i>See</i> Fürst A
355	<b>Meier-Windhorst A</b> and <b>Schraud A</b> Influence of steam content of drying medium in rapid drying ... 253
355	<b>Meinhold L F</b> <i>See</i> Kaizerman S
355	<b>Meixner A</b> Luminous pigments having increased luminescence
355	<b>Melikhov C A</b> <i>See</i> Il'yashuk N D
355	<b>Meller A</b> Acid stabilisation of cellulose by bisulphite oxidation
355	Alkali stabilisation of cellulose through anhydridisation induced by heat ... 634
355	<b>Mello G</b> <i>See</i> Marco C G de
355	<b>Mel'nikov B N</b> , <b>Moryganov P V</b> and <b>Panina Z N</b> Dyeing acrylic fibres with basic dyes ... 252
355	„ <i>See</i> Kotova I B
355	<b>Mel'yantseva A M</b> and <b>Predtechenskaya J A</b> Improving crease-resist finishing of fabrics from viscose rayon staple ... 431
355	<b>Menkart J</b> and <b>Sokol P E</b> Longitudinal swelling of set keratin fibres ... 363
355	<b>Merminod J P</b> <i>See</i> Capponi M
355	<b>Metal Film Co.</b> Yarns of specular metallic appearance ... 148
355	<b>Metal Insulated Fabrics</b> Apparatus for dyeing or colouring cloth, paper or the like uniformly or in continuous stripes ... 564
355	<b>Metal &amp; Thermit Corp.</b> Dyed chromate conversion coating on zinc or cadmium ... 252
355	<b>Metzger E</b> Fixation of prints of Foron dyes on polyester fibres
355	Printing polyesters with Foron dyes ... 253, 429
355	„ <i>See</i> Capponi M
355	<b>Meyer G</b> Lead pigments in modern metallic primers... 578
355	„ and <b>Wirth H</b> Primazin dyes in textile printing ... 584
355	„ <i>See</i> Ilg H
355	<b>Meyercord Co.</b> Transfers for application to ceramics or glass ... 152
355	<b>Mezei E</b> Vegetable one-bath pre-tanning in buffered solutions ... 255
355	<b>Midland Silicones</b> Fluorinated siloxanes ... 94
355	Polytetrafluoroethylene-siloxane compositions ... 107
355	Tin organosilicon compounds for mildewproofing ... 296
355	Water-repellent leather ... 255
355	<b>Miescher K</b> , <b>Rometsch R</b> and <b>Thürkauf M</b> Optimal colour path as concentration series of ideal dye ... 101
355	„ <i>See</i> Früh M

PAGE	PAGE
Mijović M P V and Walker J Chemistry of micrococin P. V—Infrared absorption spectra of thiazoles ... 45	Monsanto Chemical Co.—continued
Mikawa H and Sato K Mechanism of pulp bleaching. II—Residual lignosulphonic acid existing undissolved in unbleached sulphite pulp... 364	Phthalocyanine pigments ... 144
Mechanism of pulp bleaching. III—Some properties of lignosulphonic acid treated with chlorine water ... 432	Pigmented fibres of increased adhesion to rubber... 527
,, See Kobayashi A	Treating rayon and synthetic-polymer fibres with dinitrosorcinol to obtain improved bonding to rubber ... 527
Mikhailenkov P I Dyes for the textile industry and methods of fast dyeing... 349	Montaudo G See Fortina L
Mikhailov N V See Glazunov P Ya	Monte D Dal and Sandri E Fastness of dyes on recovered wool ... 582
Mikhailova S See Dimov K	,, See Aria L D
Mikhailova S S See Borodina V N	Montecatini Societa Generale per l'Industria Mineraria e Chimica
Miles T D Identification of durable flame-resistant finishes: Tentative Test Method 94-1962T ... 532	Dyeable polyolefin fibres ... 357
Miles Laboratories Dialdehyde starch-melamine derivatives 185	Elastic yarns of vulcanised sulphochlorinated propylene-ethylene copolymers ... 357
Milićević B See Kern F	Enhancing affinity of polypropylene for printing inks ... 257
Mill C C Behaviour of printing ink on rollers ... 151	Ferrous leuco-ferrocyanide and Prussian Blue ... 303
Millar J R See Kressman T R E	Imparting crease-recovery properties to polyolefin-fibre fabrics ... 527
Millar M, Mitton R G and Morgan F R Wear and abrasion resistance of sole leathers ... 160	Increasing affinity of polyolefin fibres for basic and acid dyes ... 100, 357
Milledge H J Form and colour in nature ... 108	Increasing affinity of polyvinyl chloride fibres for basic dyes ... 100
Miller L A See Brown A H	Polyolefin fibres having good affinity for acid dyes ... 147
Miller N F The pigment-vehicle interface ... 519	Printing ink ... 99
Miller T C Calcium carbonate ... 196	Writing and printing ink ... 198
Millet J Evaluation of content of organic-soluble substance in scoured wool ... 259	Montgomery A P See Giles C H
Milliaresi E E See Izmail'skii V A	Moore H B See Kullman R M H
Mills E C See Kaye J M	Morgan F R See Millar M
Mills I See Bennett J	Morgan J W W See Hawthorne B J
Milster H See Krause U, Meckel L	Mori N See Iura S, Kawakami H
Minnesota Mining & Manufacturing Co.	Morose T See Kakamura M
Coating glass beads for reflex reflectors ... 57	Morrell S H Rubbers today ... 256
Coloured roofing granules ... 260	Morrow D Proofing of flax canvas and cotton duck ... 63
Fibres and films of polypyrrolidone ... 471	Mori F Polyurethane coatings and their basic chemistry ... 257
Fluorocarbon acrylamides—surfactants, sizes, and coating agents ... 243	Mori M S See Johnson A
Heat-sensitive copy sheets ... 202	Morýganov V V See Artym M I, Fedorova N E, Mel'nikov B N
Non-ionic derivatives of perfluoroalkane sulfonamides—surfactants... 626	Moshkovskii Yu Sh See Deichmeister M V
Mino G See Kaizerman S	Mosine Paper Mills Co. Mould-resistant paper ... 65
Miró P Determination of tryptophan in wool... 435	Moskaleva R N and Zubarovskii V M Synthesis of thiazole derivatives. XVII—2-Methylthiazole containing hydroxymethyl substituents ... 348
Misumi S See Kuwana M	,, See Bachurin M P
Mitoguchi H and Murata K Aceanaphthene azo dyes... 296	Mostoslavskii M A See Izmail'skii V A
Azo dyes having thiocyanate radicals ... 296	Muhr G and Schmid H Kinetics and mechanism of chloride-ion catalysis of diazotisation of aniline in methanol ... 419
Phenanthrene dyes ... 419	Kinetics and mechanism of diazotisation of aniline in methanolic hydrochloric acid ... 187
,, See Harada K	Mukai T, Tsumaki T and Yamaguchi M Conversion of namakochrome into spinochrome E ... 513
Mitra A K See Chatterjee J N	Mulay L N Suggested polymeric structure for hydrated ferric oxide ... 46
Mitra S N Detection of added colours in ghee and butter ... 479	Mullem P J Van See MacGillavry F
,, See Gupta P N S	Mullen T C Application of Procion dyes to leather ... 522
Mitsubishi Chemical Industries Quaternary ammonium anthraquinone dyes for acrylic fibres ... 467	Müller F See Hüning S
Mitsui S See Hayashi K	Müller G Preparation of polymer latices for textile industry... 588
Mitsubishi M See Aida G	Müller J Dyeing and finishing polyester-wool mixed fabrics... 149
Mitton P B See Frederick M, Jacobsen A E	,, and Wannow H A Finishing and simultaneous dyeing and finishing of polyester-cellulose fabrics ... 203
Mitton R G See Landmann A W, Millar M	Munk F Zinc oxide in emulsion paints ... 519
Mizell L R See Davis A E	Mur V I Cupriferous azo dyes ... 347
Mizuno M See Imahori S	,, See Gorbunova Zh A
Mleživa J, Pokorný S and Ruzickova J Pigmentation of polyester varnishes ... 355	Murahashi S See Kitazawa T
Mo Och Domsjö Bleaching polyalkylene ethers ... 521	Murakami S Japanese colour charts ... 531
Modi J R See Mehta P C	Murata K See Harada K, Mitoguchi H
Moerner M See Beyer H	Murdock R E Application of radioactive tracers in textile work ... 260
Möhring G Stenter clip ... 294	Murley R D Physical chemistry of titanium pigment surfaces ... 190
Moillet J L Anionic and non-ionic surface-active agents ... 134	Murphy P J See Frick J G
Moir J See Guthrie J C	Musabekov Yu S See Chernyakovskii F P
Moll I S Selection of coloured pigments for industrial finishes ... 145	Mushkalo L K and Shokol Z I Hydrogen bonding and solvatochromism of some cyanine dyes ... 298
Moncrieff R W New rayon fibres ... 470	Musso H, Seeger I and Záhorszky U I Constitution of Resorcinol Blue ... 100
Spandex fibres ... 520	,, See Mannsfeld S P
Monforts A Raising machine ... 416	Muzik F, Poskočil J and Veselý M Aromatic diazo and azo compounds. XLIV—Metallised formazan dyes derived from acetoacetic ethyl ester and formation of azo dyes containing a triazole ring ... 346
Monsanto Chemical Co.	Myers R R See Canty W H
Chloroisocyanuric acids as bleaching agents ... 565	
Copper chelate co-ordination complexes as mildew-proofing agents ... 185	
Di- and tri-chloroisocyanuric acids for reducing felting power of wool ... 477	
Dispersing agents for inorganic pigments... 510	
Improving adhesion between fibres and rubber ... 255	
Paper having good tensile strength in presence of aqueous alkali ... 528	

PAGE	PAGE	PAGE
	<b>N</b>	
144	<b>Nabar G M</b> <i>See</i> Daruwalla E H, Datye K V	
527	<b>Nagai Y</b> and <b>Ogihara A</b> Effect of components on thermal stability of azo sulphonates ... ... ... 44	
527	<b>Nagaraja S N</b> and <b>Suntharkar S V</b> Disperse dyes based on 6-aryloaziquoline ... ... ... 560	
582	<b>Nagata A</b> <i>See</i> Imahori S	
357	<b>Naidus H</b> Advances in emulsion polymerisation technology... 206	
357	<b>Nakagaki M</b> <i>See</i> Hiyama H	
303	<b>Nakagawa M</b> <i>See</i> Kuwana M	
527	<b>Nakai A</b> <i>See</i> Kuriyabashi S	
357	<b>Nakajima T</b> and <b>Suyama H</b> Studies on polyvinyl alcohol fibres. VII—Carrier dyeing of polyvinyl alcohol fibres treated with benzaldehyde ... ... ... 360	
257	" " and <b>Uzumaki M</b> Studies on polyvinyl alcohol fibres. V—Relation between manufacturing conditions of partially dimethylaminoacetylated polyvinyl alcohol fibres and their dyeing properties ... ... ... 360	
303	<b>Nakamura T</b> Colorimetric study of yellowing and browning of silk ... ... ... 435	
357	<b>Nakano J</b> and <b>Rånby B G</b> Acid hydrolysis of methyl glucosides and methyl glucuronosides ... ... ... 310	
100	<b>Nalco Chemical Co.</b> Antifoaming agents ... ... ... 565	
147	Softening agent ... ... ... 462	
99	<b>Nanjo K</b> <i>See</i> Hiyama H	
198	<b>Nanu I</b> <i>See</i> Manovicu I	
256	<b>Narasaki H</b> and <b>Suzuki H</b> Studies on surface-active agents... 183	
63	" " <i>See</i> Itô N	
257	<b>Narath A</b> and <b>Richter M</b> Visual device for colour measurements on small areas ... ... ... 530	
527	<b>Natal Tanning Extract Co.</b> Flocculating suspensions ... ... ... 508	
65	<b>National Cash Register Co.</b> Derivatives of 3-alkyl-3'-methyl-spiro-[benzoxazole-2,2'-(2'H-1'-benzopyran)]—light-sensitive agents ... ... ... 249	
348	Derivatives of 3'-methyl-spiro-(2H-1-β-naphthopyran-2,2'-(2'H-1'-benzopyran)) ... ... ... 302	
419	Light-sensitive transfer record material ... ... ... 362	
187	Minute colour-forming capsules ... ... ... 578	
513	<b>National Laboratories &amp; Manufacturing Corp.</b> Apparatus for observing surface of moving web ... 260	
46	<b>National Lead Co.</b> Bleaching hydrous titanium dioxide ... ... ... 518	
522	Reducing tendency of red lead to settle out in paints ... 303	
588	Regenerated protein fibres ... ... ... 471	
149	Rendering cellulosic material hydrophobic and water-repellent ... ... ... 254	
203	Setting keratinous fibres ... ... ... 363	
519	Silicated sodium zirconyl sulphate as tanning agent ... 528	
347	Zinc chromate ... ... ... 578	
513	<b>National Research Corp.</b> Coating with aluminium vapour Vapour deposition of aluminium to yield a mirror finish on paper or other substrates ... ... ... 106	
46	<b>National Research Council</b> Preventing transverse wandering of sheet material running over cylindrical roller ... 134	
522	<b>National Research Development Corp.</b> Depositing a metallised surface on an article ... ... ... 578	
588	Wet processing of fibres and fabrics ... ... ... 625	
149	<b>National Starch &amp; Chemical Corp.</b> Size for warps ... 509	
203	Starch-coated paper ... ... ... 528	
519	Sulphonium starch ethers—sizes, thickening agents, etc. ... 417	
347	Wet-strength paper containing polymeric dialdehydes... 634	
260	<b>National Starch Products</b> <i>See</i> Ellenbogen H A	
190	<b>Naujoks E</b> <i>See</i> Dithmar K	
531	<b>Nayudamma Y</b> <i>See</i> Basu B C, Bose S M, Devassy T J	
531	<b>Neher M B</b> <i>See</i> Gallagher N D	
513	<b>Nelson K E</b> <i>See</i> Edwards D K	
260	<b>Nelson R C</b> Energy transfer between sensitiser and substrate ... III, IV ... ... ... 160	
190	<b>Nemaya E A</b> <i>See</i> Belov B I	
298	<b>Nemtseva L I</b> <i>See</i> Balandina M A	
100	<b>Nestelberger F</b> Limitations on "non-iron" finishing of cotton imitation poplin ... ... ... 203	
100	"Resin-free" finishing of cotton fabrics ... ... ... 475	
100	<b>Neuberger A</b> <i>See</i> Gibson K D	
260	<b>Neumann S</b> and <b>Polycell Products</b> Powdered distemper ... 303	
298	<b>Nevell T P</b> and <b>Zeronian S H</b> Effect of periodate oxidation and of subsequent borohydride reduction on tensile strength of cotton ... ... ... 250	
346	<b>New York Society for Paint Technology</b> Asbestos-cement substrates and their paint requirements... ... ... 146	
	<b>Newall C E</b> <i>See</i> King T J	
	<b>Newman N</b> <i>See</i> Blore J	
	<b>Newton D S</b> Pigment volume concentration ... ... ... 354	
	" and <b>Rigg J G</b> Exterior durability of paints based on lithopone and zinc sulphide ... ... ... 197	
	<b>Nicholls S F</b> Analysis of oil stains on cotton by infrared spectrophotometry ... ... ... 159	
	<b>Nicholls N S</b> <i>See</i> McBryer R L	
	<b>Nickerson W J</b> and <b>Strauss G</b> Photochemical cleavage of water by riboflavin. II—Role of activators ... ... 44	
	<b>Niederer H</b> <i>See</i> Graf J	
	<b>Niederhauser J P</b> Testing dye fastness... ... ... 208	
	<b>Niederwieser A</b> <i>See</i> Brenner M	
	<b>Niesen H</b> Reaction behaviour of pigmented polyester resin... 251	
	<b>Nihon Senshoku Kikai</b> Maintaining constant tension during winding and unwinding of cloth in dyeing machines ... 508	
	<b>Niino S</b> <i>See</i> Hida M	
	<b>Nikitina S A</b> <i>See</i> Filatova M A, Konstantinova V V	
	<b>Nikolenko L N</b> <i>See</i> Eremina O I	
	<b>Nimeroff I</b> <i>See</i> Dannemiller M C	
	<b>Nishin Boseki</b> Crease-recovery finish for woven cotton fabric 476	
	<b>Nitsberg L V</b> <i>See</i> Kolotyrkin Ya M	
	<b>Nitschke G</b> Use of chromium salts to improve the resistance of wool to moisture and microbiological action ... ... 64	
	<b>Nobel-Bozel</b> Irradiation of natural and synthetic polymers... 529	
	<b>Noddack W</b> <i>See</i> Haus A	
	<b>Noguchi T</b> Fluorescent brightening agents. I—Syntheses and properties of bis(triarylamino)stilbene derivatives ... 419	
	" " <i>See</i> Hamano H	
	<b>Nomura Y</b> Syntheses and spectra of aromatic azo compounds I—Bromomethylazobenzenes ... ... ... 244	
	" " <i>See</i> Anzai H	
	<b>Nopco Chemical Co.</b> Anionic aminoplast resins—tanning agents ... ... ... 365	
	Polyvinyl acetate coating composition for fibrous materials ... ... ... 136	
	Synthetic tanning agents ... ... ... 365	
	Zinc soaps—flattening agents ... ... ... 146	
	<b>Northern Pigment Co.</b> Iron oxide pigments ... ... ... 518	
	<b>Northgraves W W</b> <i>See</i> Holbrook R L	
	<b>Novoderezhkin P I</b> Effect of depth of colour on lustre and some other properties of viscose fibres ... ... ... 520	
	<b>Nozakura S</b> <i>See</i> Kitazawa T	
	<b>Nuessle A C</b> AATCC Research. I—Damage due to retained chlorine ... ... ... 260	
	" " <i>See</i> Kline B B	
	<b>Nurmukhametov R N</b> <i>See</i> Kozlov Yu I	
	<b>Nye J D</b> <i>See</i> Mackie J S	
	<b>Nygren H</b> Vehicle for artists' paint ... ... ... 146	
	<b>Nys J</b> <i>See</i> Depoorter H	
	<b>O</b>	
	<b>Obata H</b> <i>See</i> Koizumi M	
	<b>Obermaier &amp; Cie</b> Hank-dyeing machine ... ... ... 242	
	<b>Oblozhenko R V</b> <i>See</i> Grandberg I I	
	<b>O'Brien S J</b> <i>See</i> Loo W J van	
	<b>Ochynski F W</b> <i>See</i> Jones J I	
	<b>O'Connor F M</b> and <b>Waythomas D J</b> Molecular sieves ... 366	
	<b>O'Connor R T</b> <i>See</i> Heinzelman D C	
	<b>Oette K H</b> <i>See</i> Hüning S	
	<b>Ogawa K</b> and <b>Whewell C S</b> Monoethanolamine bisulphite as a milling agent ... ... ... 509	
	<b>Ogawa M</b> and <b>Tanaka S</b> Determination of purity of dye intermediates by the alkali halide tablet compensation method ... ... ... 529	
	<b>Ogawa T</b> and <b>Takada Y</b> Dyeing of acrylic fibre. XI—Conditions of development in azo dyeing ... ... ... 252	
	Dyeing of acrylic fibre. XII—Interaction between anionic dyes and basic vinyl compounds ... ... ... 427	
	<b>Ogihara A</b> <i>See</i> Nagai Y	
	<b>O'Guin L</b> Bleaching and dyeing of Acrylilan 16-cotton blends... 581	
	<b>Ohashi S</b> and <b>Takada S</b> Determination of ortho-, pyro-, and tripoly-phosphate ... ... ... 207	
	<b>Ohno Y</b> <i>See</i> Air Reduction Co.	
	<b>Okajima S</b> <i>See</i> Kobayashi Y	
	<b>Okhramovich A E</b> <i>See</i> Kretov A E	
	<b>Oki M</b> <i>See</i> Iwamura H	
	<b>Oksengender G M</b> <i>See</i> Gerasimenko Yu E	
	<b>Okumura F S</b> <i>See</i> Horie T	
	<b>Oldenroth O</b> Bleaching intensity and fibre decomposition in simple and multilayer fabrics ... ... ... 580	
	<b>O'Leary S</b> <i>See</i> Goldemberg R L	

	PAGE		PAGE
<b>Olin Mathieson Chemical Corp.</b> Chlorite bleaching	426, 521	<b>Petersen W H</b> <i>See</i> Graeck E J	
Dihydrazide-formaldehyde condensates as crease-recovery agents	135	<b>Peterson P A</b> Coating paper on both sides	41
Surface-active basic polyethers	42	<b>Petit M</b> <i>See</i> Loiseleur J	
Thixotropic agents and their use in paints...	519	<b>Peticolas P</b> and <b>Thirot G</b> From Rapidogens to Neutrogens...	137
<b>Olive E C</b> <i>See</i> Davis A E		<b>Petrich E</b> Dry-cleaning textiles or furs	200
<b>Oliver P H</b> <i>See</i> Guthrie J C		<b>Petrzhnik G G</b> Finishing of fabrics of mixtures of cotton and man-made fibres	633
<b>Olmedo R G</b> <i>See</i> Carballido A		<b>Pevzner D M</b> <i>See</i> Eltington I I	
<b>Olson E S</b> <i>See</i> Langston J H		<b>Pfister R</b> <i>See</i> Capponi M	
<b>Omel'chenko S I</b> , <b>Pushkareva Z V</b> and <b>Shishkina V I</b> Structure and reactions of carbazole and some derivatives. VI—Carbazole triphenylmethane dyes...		<b>Pfeiderer W</b> Structure of the orange-red butterfly pigment erythrioptein	513
<b>Opanasenko E P</b> <i>See</i> Isak A M		<b>Philadelphia Society for Paint Technology</b> Calculation of critical pigment volume concentration	159
<b>Organic Chemical Corp.</b> Sulphamic acid as assistant to shorten the time needed for dyeing wool black...		Five-year exposure study of emulsion paints	146
<b>Oshmarina L I</b> <i>See</i> Abrosimova S E		<b>Phillips' Gloelampenfabrieken</b> Inks for recording apparatus	198
<b>Ostroverkhov V G</b> and <b>Vakarchuk I S</b> Reaction of derivatives of symmetrical triazine. I—Reactions of cyanuric acid with $\alpha$ -xides		<b>Phillips Petroleum Co.</b> Carbon black	56, 504
<b>Osugi T</b> <i>See</i> Air Reduction Co.		Carbon black slurries	196
<b>Otten V F</b> <i>See</i> Ioffe I S		Coloration of 1-olefin polymers	524
<b>Ottensoser M</b> <i>See</i> Fishman S		Furnace black	56
<b>Otto G</b> Side effects possible during leather dyeing, especially dyeing of chrome leather	...	Pelleting carbon black	145
<i>.. See</i> Lowe H		Separating grit from carbon black...	93
<b>Owens-Corning Fiberglas Corp.</b> Dyeing glass-fibre yarn... Fibres for glass fibres	...	Water-repellent finish	205
Flameless heat-cleansing of fibrous glass	...		
<b>Oxford Paper Co.</b> Pressure-sensitive heat-resistant recording material	...	<b>Photakis Th</b> and <b>Schläpfer K</b> Method of determining foaming power and foam stability	67
<b>Ozalid Co.</b> Diazoype coatings in lacquered cloth	...	<b>Photostatic Enterprises</b> Applying printed patterns electrostatically	525
<b>P</b>			
<b>Pacsu E</b> <i>See</i> Lofland L		<b>Piccolo B</b> <i>See</i> Heinzelman D C	
<b>Padley F B</b> <i>See</i> Barrett C B		<b>Piekoś R</b> and <b>Radecki A</b> Use of lower esters of orthosilicic acid in preparation of hydrophobic glass surfaces	345
<b>Pagani E</b> Paper-chromatographic method for analysing poly-substituted aromatic diazonium salts	...	<b>Pierret S</b> and <b>Rochas P</b> Methods of identifying different types of degradation of silk	480
<b>Pailkes F</b> and <b>Rochas P</b> Stability of nylon 6.6 to light and heat. II—Behaviour in presence of fatty acids	589	<b>Pigott R F E</b> and <b>Webb K R</b> Joshua Ward and the early manufacture of sulphuric acid in England	160
<b>Pakkala L</b> Paddle vats for treating untanned leather...	357	<b>Pilyugin G T</b> and <b>Shinkorenko S V</b> Synthesis of azomethines by condensation of <i>N</i> -arylquinoline salts with nitroso compounds	512
<b>Pales R</b> <i>See</i> Reichel J		Synthesis of 1- <i>o</i> -tolyl-5,6-benzoquinolindinium salts and the preparation of azo and azomethine dyes...	569
<b>Palmer H V</b> and <b>Palmer R H</b> Fleaching machine for animal pelts	...	<i>.. See</i> Chernyuk I N, Dombrovskii A V, Gutsulyak B M, Isak A M	
<b>Palmer R H</b> <i>See</i> Palmer H V		<b>Pirene M H</b> Light quanta and vision...	68
<b>Panchartek J</b> <i>See</i> Allan Z J		<b>Pittsburgh Plate Glass Co.</b> Coating a fibrous base	344
<b>Panina Z N</b> <i>See</i> Mel'nikov B N		Flaked calcium silicate—white pigment	249
<b>Parish G J</b> Some fundamental aspects of the washing process (Lecture)	...	Siliceous pigments	470
<b>Parisot A</b> Effect of chemical degradation on mechanical properties of cotton yarns—dependence on twist		<b>Plakidin V L</b> <i>See</i> Fain V Ya	
<b>Park G S</b> Autoradiographic determination of distribution of urea-formaldehyde resin in regenerated cellulose filaments (Communication)	451	<b>Platt J R</b> Electrochromism, a possible change of colour producible in dyes by an electric field	346
<b>Pataki G</b> <i>See</i> Brenner M		<b>Pliske E A</b> <i>See</i> Danilov S N	
<b>Patnaik B K</b> , <b>Rout M K</b> and <b>Sabata B K</b> Studies on colour and constitution—applications of Forster's rule	109	<b>Plotnikov I V</b> <i>See</i> Afanas'ev A V	
Merocyanines derived from pyrazolone	94	<b>Plötz E</b> Behaviour of resin-finished cotton towards caustic soda solution	304
<b>Patrician Plastic Corp.</b> Pearlescent plastic sheet	420	<b>Plyplina A I</b> and <b>Rogovin Z A</b> Effect of pigments on photochemical destruction of nitrocellulose in lacquer coatings	355
<b>Patton E L</b> <i>See</i> Berard W N, Decossas K M		<b>Podstata J</b> <i>See</i> Allan Z J	
<b>Patton T C</b> Urethane (isocyanate compounds) I—Urethane coatings survey	366	<b>Podszus E</b> Flattening and rolling metal powders	519
<b>Patzwaldt H G</b> <i>See</i> Beyer H		<b>Pokorny J</b> <i>See</i> Davidek J	
<b>Pavlushkin N M</b> <i>See</i> Eltington S I		<b>Pokorny S</b> <i>See</i> Mizevia J	
<b>Pavlyuchenko M M</b> <i>See</i> Gilevich M P		<b>Polinszky K</b> Chemistry and technology of iron oxide pigments	348
<b>Peake E</b> <i>See</i> Hodgson G W		<b>Pollard E F</b> <i>See</i> Berard W N	
<b>Pearson R W</b> <i>See</i> Bennett J		<b>Pollard H</b> Steam supply in dyeing and finishing	625
<b>Peel R A</b> Embossing calendars and bowls	41	<b>Pollnow G F</b> <i>See</i> Haworth D T	
<b>Pegg S &amp; Son</b> Hank-dyeing machine	625	<b>PolyCell Products</b> <i>See</i> Neumann S	
Machine for pressure dyeing	183	<b>Polymer Corp.</b> Applying infusible pulverulent material to a surface	588
<b>Peper F K</b> <i>See</i> Beyer H		Coating in a fluidised bed	107, 147
<b>Peres J</b> Thermodynamics of drying	63	Foamed or porous coatings	100
<b>Pereyaslava D G</b> <i>See</i> Krasovitskii B M		Multilayered coatings by use of fluidised bed	579
<b>Permachem Corp.</b> Proofing fibrous materials against biological attack	205	Powdered cellulose ester and ether compositions for application by fusion	519
<b>Perrig M</b> <i>See</i> Egli H		<b>Pont de Nemours &amp; Co. Inc. E I du</b>	
<b>Peter, Konrad</b> Dyeing polyacrylonitrile tow	307	Apparatus for coating cloth, paper and the like	565
<b>Peters A T</b> <i>See</i> Feather P		Aqueous ink for marking perfluorocarbon resins...	519
<b>Peters R H</b> <i>See</i> Aspland J R, Delmenico J, Greenhalgh M, Johnson A		Arylaminonitrodihydroxyanthraquinones—blue disperse dyes	352
<b>Petersen H</b> Reaction mechanisms of condensation of aminoplasts	184	Basic monoazo dyes for acrylic fibres	48
		Benzylphenol metal phthalocyanine precursors	55
		Bleaching with monopersulphates in presence of manganese	472
		Bleaching synthetic-polymer fibres	358
		Cationic monoazo dyes	465

Pont  
Poole  
Popov  
Popova  
Porath  
Porter  
Poskoc  
Posner  
Potapov

AGE	PAGE	PAGE		
<b>Pont de Nemours &amp; Co. Inc. E I du—continued</b>				
41	Cationic mono- and dis-azo dyes ...	350	<b>Poulter I J</b> <i>See</i> Anderson C A	
137	Coating composition comprising nitrocellulose, polymethyl methacrylate, and carbon black ...	356	<b>Prashu G N</b> Bleaching coir ...	426
200	Coloured, transparent, shrinkable, non-fibrous bands of regenerated cellulose ...	587	<b>Predtechenskaya J A</b> <i>See</i> Mel'yantseva A M	
633	Controlling manganese ion impurities in permonosulphate bleaching ...	521	<b>Pretema A G</b> Spectromat colour-measuring instrument ...	159
513	Crimped composite fibres of synthetic polymers ...	471	<b>Prett K</b> Acid peroxide bleaching—advantages and disadvantages ...	520
159	Delustred and stabilised polyhexamethylene adipamide filaments ...	250, 520	Present state of development of acid peroxide bleach ...	199
146	Dehursting the surface of polyethylene terephthalate film ...	66	<b>Proctor &amp; Gamble Co.</b> <i>NN'</i> -Dichlorobenzoyleneureas—solid organic bleaching agents ...	625
198	Dispersing pigments in enamel and prevention of agglomeration ...	57	Opaque liquid detergent of nucleous appearance ...	42
564	Embossing and venting a resin-coated fabric ...	64	Scorch-resistant softening agent ...	185
196	Fabrics coated with vinyl resin and capable of being printed ...	383	<b>Proctor &amp; Schwarz</b> Monitoring colour of fluid bath ...	532
524	Felt-like fabric ...	477	<b>Proshlyakov N F</b> and <b>Zubov P I</b> Effect of pigments on structure formation in concentrated solutions of alkyd resins ...	145
56	Fibrous alumina monohydrate having the boehmite crystal lattice ...	345	<b>Pruskočil J</b> <i>See</i> Allan Z J	
145	Fluorescent brightening agent ...	249	<b>Prumm A</b> Continuous wet- and dry-cleaning of textiles ...	148
93	Fluorescent brightening agents for paper ...	302	<b>Prunet J</b> <i>See</i> Galosy Z de	
205	Grafted natural polymers ...	64	<b>Puchkov V A</b> <i>See</i> Kozlov Yu I	
67	Halogenated metal phthalocyanine precursors ...	353	<b>Pungor E</b> and <b>Thege I K</b> Spectrophotometric determination of Pinacyanol and Pinakryptol Green ...	158
525	Hydrazine-borane compounds as reducing agents for vat dyes ...	417	<b>Puper H C</b> Copper complexes of direct dyes on cellulose fibres ...	627
345	Imparting dimensional stability to cellulosic textiles ...	431	<b>Purdy S J</b> and <b>Truter E V</b> Weight-area relationship in thin-film chromatography ...	366
480	Imparting wool-like properties to cellulosic textiles ...	205	<b>Pure Chemicals</b> Heat-stabilisers for polymers and copolymers of vinyl and vinylidene chlorides ...	529
160	Improving cover of fabrics made from synthetic-polymer fibres ...	477	<b>Pushkareva Z V</b> <i>See</i> Igon'kina T N, Omel'chenko S I	
512	Improving fastness to light of quinacridone, dibromoanthrone, and quinacridone-quinone pigments ...	575	<b>Pylavinen E A</b> <i>See</i> Danilov S N	
569	Inks for marking perfluorocarbon resin surfaces ...	303	<b>Pyankova L N</b> and <b>Shishkina V I</b> Structure and chemical reactions of carbazole and some of its derivatives. VII—Synthesis of polyazo carbazole dyes ...	137
68	Milling ...	634		
344	Milling fabrics of man-made staple fibres ...	155	<b>Q</b>	
249	Neutral merocyanine dye complexes ...	142	<b>Quaker Chemical Products</b> Insolubilising starch and other polymeric hydroxylic compounds ...	64
470	Nylon filaments of improved dye-receptivity ...	357	<b>Quehl K</b> Comments on paper "self-smoothing fabric—crease recovery in dry and wet states" ...	204
346	Paint-tinting colour bases ...	519		
304	Pigment-delustrated cellulose acetate ...	357	<b>R</b>	
202	Polyfluorocyclobutanone waterproofing agents, plasticisers, and solvents ...	417	<b>Rackley F A</b> <i>See</i> Jones J I	
56	Polymerisable acrylamido dye intermediates ...	139	<b>Radecki A</b> <i>See</i> Plekos R	
574	Polymerisable heterocyclic dye intermediates ...	574	<b>Radio Corp. of America</b> Heat-glossing compositions for recording media ...	362
346	Preventing discolouration when using alkali monopersulphates in water containing manganese ...	243	<b>Raduner &amp; Co.</b> Stiff, dimensionally stable, water-resistant cloths suitable for being printed on by lithography ...	154
304	Primer paint for wood ...	630	<b>Rafael H</b> Printing rayon with Reactone dyes by the urea method ...	202
348	Printable fabrics coated with vinyl resins ...	309	<b>Rafikov S R</b> <i>See</i> Glazunov P Ya	
625	Printing pastes containing copper phthalocyanine precursors ...	202	<b>Rahman S M K</b> <i>See</i> Giles C H	
519	Quinacridones ...	54	<b>Rainey W T</b> <i>See</i> Langston J H	
355	Rotproofing cellulose ...	205	<b>Rais J</b> <i>See</i> Jagrova M	
519	Stabilised disazo dye compositions for colouring petrol ...	573	<b>Raistrick A S</b> Action of heat and moisture on leather—II ...	157
588	Stabilising zinc ferricyanide to light ...	586	<i>.., See</i> Bowes J H	
7, 147	Stretch-resistant knitted fabrics ...	95	<b>Rall U</b> Dry-cleaning, washing, and re-impregnation of silicone-treated fabrics ...	101
100	Substituted acylidene colour couplers ...	152	<b>Ramaiah N A</b> <i>See</i> Katiyar S S	
579	Substituted cyclohexanes and cyclohexadienes as active ingredients for thermographic copying compositions and with Lewis bases in impact printing ...	56	<b>Ramanathan N</b> <i>See</i> Basu B C	
519	Titanium dioxide ...	99	<b>Ramette R W</b> <i>See</i> Dratz E A	
625	Titanium dioxide of improved whiteness ...	254	<b>Rånby B G</b> <i>See</i> Nakano J	
588	Treating hydroxylic organic polymers with sulphur tetrafluoride ...	351	<b>Rank-Xerox</b> Xerographic toner ...	356
7, 147	Triarylmethane dyes ...	528	<b>Rao R P</b> Thioindigo dyes from 3-aryl-2,4-thiazolidinediones ...	464
100	Tris(hydroxyacetato)chromate as tanning agent ...	345	<b>Rassudanova N S</b> <i>See</i> Ermakova G A	
579	Werner complexes of orthohydroxyl-substituted benzophenone—ultraviolet radiation absorbents ...	148	<b>Rath H, Rau J</b> and <b>Wagner D</b> Experiments on hydrotropy ...	585
519	<b>Ponting K G</b> Advantages of package dyeing ...	152	<i>.., See</i> Brielmaier H J, Kindlimann H	
519	<b>Pool D N, Ross E S</b> and <b>Taube R K</b> Cleaning and wrinkling effects of low-temperature wash solutions on naturally soiled blouses ...	154	<b>Rattes I D</b> Combined dyeing and finishing of cellulosic fabrics (Lecture) ...	69
519	<b>Pope C J</b> and <b>Weiner L I</b> Influence of surface finish in flex-abrasion resistance of cotton sateen ...	139	IFATCC Technical Forum (Note) ...	504
519	<b>Popov K R</b> Dichroism of absorption bands of carotenoids ...	251	<i>.., See</i> Mawson J F	
352	<b>Popova Z V</b> <i>See</i> Kozlova N V	154	<b>Rau J</b> <i>See</i> Brielmaier H J, Rath H	
48	<b>Porath J</b> and <b>Störiko K</b> Zone electrophoresis in ethanolic buffer solutions ...	139	<b>Räuchle A</b> Simple setting method for fibres and textiles for preparation of fibre cross-sections ...	435
55	<b>Porter M R</b> Effects of silicone softeners on resin-treated cotton ...	366	<b>Rausenberger</b> Finishing Trevira—wool mixed fabrics ...	64
472	<b>Poskočil J</b> <i>See</i> Mužík F	203	<b>Rayonier</b> Cellulose stable to discolouration by light and heat ...	310
358	<b>Posner A S</b> <i>See</i> Diorio A F		<b>Razikov K K</b> <i>See</i> Alekseeva E S, Kargin V A	
465	<b>Potapova N P</b> <i>See</i> Dmitrieva O A		<b>Rebek M</b> and <b>Semlitsch M F K</b> Exchange reactions of cellulose in anhydrous medium. Behaviour of esterified carboxyl and metal carboxylate salt groups in cellulose with Crystal Violet Base ...	425

	PAGE		PAGE
<b>Rebenfeld L</b> Interaction between 2-thiobarbituric acid and cotton	208	<b>Roffey F</b> Organisation of research and development	436
Response of cottons to chemical treatments. IV—Single-fibre resin finishing	308	<b>Rogers J B</b> and <b>Simon M S</b> Red dyes of the azabenanthrone series	188
Response of cotton to chemical treatments. V—Effects of tension during single-fibre resin finishing	362	<b>Rogova T</b> <i>See</i> Riskin I	
<b>Rebindier P A</b> <i>See</i> Filatova M A		<b>Rogovin Z A</b> <i>See</i> Chekalina M A, Khvostenko N M, Plyplina A I	
<b>Rechmann H</b> Particle-size distribution in titanium dioxide suspensions	519	<b>Rohm &amp; Haas Co.</b>	
<b>Reed R</b> <i>See</i> Crosby N T		Carbon-impregnated gas-resistant fabric	255
<b>Rees W H</b> Study of the optics of soiling of textile materials, using artificial soiling techniques	530	Dimensional stabilisation of cellulosic fabrics by treatment with 2,6-dioxaspiro(3,3)heptane	309
<b>Reeves R L</b> and <b>Tong L K J</b> Kinetics of reaction of nucleophilic reagents with naphthoquinonimine dyes in alkaline solution	513	Imparting dimensional stability and crease-recovery properties to cellulosic textiles	526
<b>Reeves W A</b> Some effects of nature of cross-links on properties of cotton fabrics	308	Impregnated fibrous sheets	527
,, <i>See</i> Berard W N, Chancet L H, Frick J G, Mack C H		Resin finish	431
<b>Regan I</b> Enzymes and their application in textile processing, especially desizing ( <i>Lecture</i> )	533	Surface-active acetals and formals	509
<b>Reggiani</b> Flame-retardant finish	626	Water-soluble polymeric substituted acrylamides	42
<b>Rehse Co.</b> Zirconia sizing of paper	527		
<b>Reich G</b> Interaction of aromatic sulphonate acids with collagen	433	<b>Röhm &amp; Haas GmbH</b>	
<b>Reichel I</b> Importance of acenaphthene in the organic dye industry	512	Acrylic fibres	250
<b>Reichel J</b> and <b>Palea R</b> Separation components in the synthesis of azo dyes. XVII—Absorption spectra of some benzidine dyes	186	Bathing	206
,, <i>See</i> Balint A		<b>Roland H R</b> <i>See</i> Dickinson C L	
<b>Reid J D</b> <i>See</i> Andrews B A K, Arceneaux R L, Fenner T W, Frick J G, Kullman R M H		<b>Roll B A</b> Tanning with furfural	206
<b>Reindl S</b> <i>See</i> Kalojanova A		<b>Romanova D M</b> <i>See</i> Dubinin M M	
<b>Reinhardt R M</b> <i>See</i> Arceneaux R L, Fenner T W, Frick J G, Kullman R M H		<b>Romanova M G</b> <i>See</i> Abozian V G	
<b>Rekasheva A F</b> <i>See</i> Kiprianova L A		<b>Rometsch R</b> <i>See</i> Miescher K	
<b>Research</b> Coating prints obtained with ink	152	<b>Rood J L</b> Colour-measurement with the Bausch and Lomb Spectronic 505	530
<b>Research Laboratories of Australia</b> Metal pigments	577	<b>Rordorf K G</b> Removal of oil spots from woven fabrics	426
<b>Reumuth H</b> <i>See</i> Habermalz F		<b>Röschen M</b> Further results of rapid determination of grease content of textiles	435
<b>Revertex</b> Size for hydrophobic fibres	93	<b>Roseira A N</b> and <b>Tolmasquim E</b> Mechanism of colour changes in acid solutions of disazo dyes	418
<b>Rexroth E</b> Dyeing properties of immature cotton	521	Spectrophotometric study of disazo dyes	568
<b>Rey G</b> High-temperature vat dyeing of cellulosic fibres	581	<b>Rosenblatt J R</b> <i>See</i> Dannenmiller M C	
<b>Reynolds W W</b> <i>See</i> Larson E C		<b>Roskulak L A</b> <i>See</i> Devyatova N I	
<b>Reynolds Metals Co.</b> Anodising aluminium, magnesium and copper	532	<b>Ross E S</b> <i>See</i> Poole D N	
Multicolouring of aluminium	361	<b>Rostovtsev V E</b> Thermal stability of aqueous solutions of direct dyes	44
Permanent black on anodised aluminium	151	<b>Rothe O</b> <i>See</i> May K	
<b>Rhodis K B</b> Coil anodising of aluminium and dyeing and sealing	521	<b>Rothenberger J</b> Washing machine with temperature-controlled feed of bleaching agents	294
<b>Rice George (Dressers and Dyers)</b> Bleaching dressed fur skins	581	<b>Rothwell P</b> and <b>Spiers C H</b> Composition of film on pigment-finished leather	433
<b>Richardson G M</b> AATCC Research. III—Wash-and-wear...	360	<b>Rotter E</b> Adaptation of jig dyeing to requirements of difficult fabrics and weaves made from man-made fibres	102
<b>Richardson S H</b> and <b>Wertz W I</b> New approach to epoxy varnishes	358	<b>Rouette H</b> Practical problems in wool dyeing	200
<b>Richman S</b> <i>See</i> Grunin L	260	<b>Rout M K</b> and <b>Tripathy P</b> Merocyanines derived from 5-phenylamino-2-methyl-1,3,4-thiadiazole	187
<b>Richter M</b> <i>See</i> Narath A	146	Unsymmetrical cyanines derived from thiazoles and thiadiazoles	420
<b>Ried W</b> <i>See</i> Köcher E-U	358	,, <i>See</i> Patnaik B K	
<b>Riedel D</b> Hot-air drying of fabric, especially napped material with raised and laid pile	429	<b>Roux C</b> Measurement of fluorescent pigments	530
<b>Riegel Textile Corp.</b> Applying plastic compositions to textile fabrics	260	<b>Roux D G</b> Chemistry of wattle heartwood and bark tannins	295
<b>Riester O</b> <i>See</i> Coenen M	628	<b>Rowat D L</b> <i>See</i> Das Gupta S	
<b>Rigg B</b> <i>See</i> Coates E	152	<b>Roy B R</b> <i>See</i> Gupta P N S	
<b>Rigg J G</b> <i>See</i> Newton D S	146	<b>Roy J</b> <i>See</i> Banthorpe B V	
<b>Riskin I</b> and <b>Rogova T</b> Reaction of cadmium salts with sodium sulphide	436	<b>Rozensfeld I L</b> <i>See</i> Kurskaya A G	
<b>Ritchie C D</b> <i>See</i> Jones J H, Lewis E S	429	<b>Rubinshteyn F I</b> <i>See</i> Kurskaya A G	
<b>Ritzerfeld G</b> and <b>Ritzerfeld W</b> Hectographic copying	429	<b>Rudenko A P</b> Role of complex-forming additives in synthesis of phthalocyanines. III—Mechanism of catalytic activity of complex-forming additives in synthesis of iron phthalocyanine	348
<b>Ritzerfeld W</b> <i>See</i> Ritzerfeld G		,, <i>See</i> Dobrosel'skaya N P	
<b>Rivero A M</b> <i>See</i> Di Modica G	476	<b>Ruegger &amp; Co</b> Dimensional stabilisation of looped cotton fabrics	154
<b>Rixon W E</b> <i>See</i> Colwell C E	106	<b>Ruf R</b> Printing polyester fabrics with Esterophile dyes	253
<b>Rizzo F J</b> Calibrating radiant sources in weathering of textiles	198	<b>Ruhrchemie</b> Flame-sprayed chlorinated polyethylene coatings	424
<b>Robb E</b> Continuous gaseous treatment of filaments, cloth, paper and the like	436	<b>Ruiz von Sales N</b> <i>See</i> Goldthwait C F	
Water-repellent and shrink-resistant finish for wool	476	<b>Rümens W</b> <i>See</i> Götz N	
<b>Roberts R</b> Modification of textile fibres by radiation...	106	<b>Ruoff T</b> <i>See</i> Kindlimann H	
<b>Robinson J J</b> <i>See</i> Bergman C A	198	<b>Rupert A</b> Permanent rotproofing of cellulosic fibres by wet fixation of resin precondensates	153
<b>Rochas P</b> Thermal behaviour of nylon 6.6	579	,, <i>See</i> Dürig G	
,, <i>See</i> Edel G, Paikies F, Pierret S	104	<b>Ruppenicker G F</b> <i>See</i> Brown J B	
<b>Rock Fabricates &amp; Mining Corp.</b> Surface coloration and finish	579	<b>Rushworth J</b> <i>See</i> Campbell J B	
<b>Roddick R D</b> <i>See</i> Edwards D K	584	<b>Russell A B</b> <i>See</i> Hindson W R	
<b>Roff W J</b> Resin treatment of cellulose fibres		<b>Ruszsnák I</b> and <b>Székely A</b> Yellowing of fluorescently brightened cotton fabrics	59
		,, <i>and</i> <b>Zimmer I</b> "Non-iron" finishing of mixed cotton and rayon fabrics	431
		<b>Rutherford H A</b> <i>See</i> Bogdan J F	
		<b>Rutkowski B J</b> <i>See</i> Martin A R	

AGE	PAGE	PAGE		
436	Ruttevit K Zinc dust ... ... ... ... ...	299	Sazhin B S Drying with simultaneous oxidation when making some sulphur dyes ... ... ... ... ...	138
188	Rüttiger W <i>See</i> Götz N		Schachnow M <i>See</i> Fishman S	
	Ruzickova J <i>See</i> Mlezcova J		Schaeffer W D <i>See</i> Lui Y-K	
	Ryan A J Paper-chromatographic techniques, with particular reference to food dyes ... ... ...	367	Schaub H P and Ulrich P Catalysis of reaction of Cibacon dyes with cellulosic materials ... ...	148
255	Ryan P J Fluorescent pigments and their possible uses ...	514	Infrared fixation: a further possible means of fixation for Cibacon dyes—III ... ...	102
309	Rydon H N <i>See</i> Hall A N		<i>See</i> Kera F	
526	Ryumin V P Ultrasonics in study of aqueous suspensions of native iron oxide pigments ... ...	628	Scheibe G and Zanker V Physico-chemical basis of metachromasy ...	462
527			<i>See</i> Friedrich H J	
431	Sabata B K <i>See</i> Patnaik B K		Scherr O L Foam stabilisers ...	417
509	"Sachtleben" AG für Bergbau und Chemische Industrie Silicate-coated zinc sulphide ...	577	Schetty G Isomeric 1:2-chromium complexes in <i>o</i> -carboxy- <i>o</i> '-hydroxyazomethine series ...	463
42	Sadov F I <i>See</i> Boldenko A R, Boyko N N, Il'yashuk N D, Kalinina K G, Korchagin M V, Krichevskii G E		Isomeric 1:2-chromium complexes of <i>o</i> '-dihydroxyazo series ...	462
250	Sager W F <i>See</i> Lewis E S		Isomerism in 1:2-cobalt complexes of <i>o</i> -carboxy- <i>o</i> '-amino-azo series ...	568
206	Sagner Z <i>See</i> Arient J		Spatial arrangement of 1:2-metal complexes of dyes of the azo and azomethine series ...	568
206	Saito K <i>See</i> Ando N		<i>See</i> Küster W	
206	Saito N <i>See</i> Hayashi K		Scheyer E Heat-reflecting fabric ...	527
206	Sakaba K <i>See</i> Harada S		Schliecke E Problems of dye chemistry in Si-Ro-Setting ...	254
530	Salem T M <i>See</i> Farag M S		Schiedewitz H and Zeidler H Radioactive-tracer studies of substantivity of alkyl phosphates to textiles ...	58
426	Salquin J Organotin fungicides ...	42	Schliesser R H <i>See</i> Lui Y-K	
	Saltiel J D <i>See</i> Lewis E S		Schifferle W <i>See</i> Keller R	
435	Salvin V S AATCC Research. IV—Colourfastness of textiles to atmospheric contaminants ...	260	Schill & Sellacher Simultaneously neutralising and currying chrome-tanned leather ...	107
	<i>See</i> Lacy R E		Schläpfer K <i>See</i> Photakis Th.	
418	Samcoce Holding Corp. Controlled moistening on fabric ...	508	Schleiter J C <i>See</i> Judd D B	
568	Drum dryer for tubular-knit and other fabrics ...	134	Schmid H <i>See</i> Muhr G	
	Drying and conditioning tubular-knit fabric and other webs ...		Schmidlin H U The most important synthetic fibres ...	579
44	Samoilov S M <i>See</i> Andrievskii V N		Schmidt H <i>See</i> Markiewiczowa W	
294	Samoilova O I, Shchukina M N and Yashunskii V G Complexing agents. VI—Synthesis of cyclic analogues of nitrilotriacetic and ethylenediaminetetra-acetic acids ...	295	Schmitt C H A Daylight fastness testing by Langley system ...	590
	<i>See</i> Botolnikova L S		Schoenberg K A Critical survey of detergent literature ...	311
	Samuelson O <i>See</i> Alfredsson B, Christofferson K		Schoeneberg W A <i>See</i> Lacy R E	
	Samyshkina M A <i>See</i> Afanas'ev A V		Schofield M Arthur George Perkin, 1861-1937 ...	260
433	Sanderson A & Co. Paints having rust-removing and rust-inhibiting properties ...	356	Scholten's Chemische Fabrieken W A Emulsifying agents ...	184
102	Sando Iron Works Co. Wet processing of cloth ...	344	Size ...	417
200	Sandor A <i>See</i> Cohen J		Schork C High-temperature beam dyeing of fabrics ...	201
	Sandoz A.G. Anthraquinone pigments ...	248	Schornung P Reduction of losses of chemical pulp and cellulose during pulping, bleaching and refining ...	65
187	Blue anthraquinone disperse dyes ...	247, 352	Schraud A <i>See</i> Meler-Windhorst A	
420	Chlorinated phthalocyanines ...	55	Schreiber A M <i>See</i> Klingsberg E	
530	Derivatives of 4,4'-bis-(2,4-diamino-1,3,5-triaryl-(6-amino)-stilbene—fluorescent brightening agents ...	469	Schroeder A C Waveguides and the receptor mechanism in colour vision ...	68
295	Dyeing polyamide fibres with aqueous suspensions of insoluble 1:2 metal complexes of azo dyes ...	474	Schubert R Properties of leather finishes ...	433
	Finely dispersed, highly chlorinated copper phthalocyanines for mass colouring synthetic-polymer fibres ...	303	Schultz U Geometry of colour measurement ...	530
	Orange dioxazine dye for mass coloration of cellulose acetate ...	301	Schulzen H Progress in finishing methods using special alginates ...	184
	Pattern Cards ...	294, 564	Schumacher H Thermal shock method for printing and dyeing with Reactone dyes ...	200
	Perylene pigments ...	576	Schürch A Resistance of nitrogenous wash-and-wear finishes to washing and hydrolysis ...	204
348	Pigment finishing of leather with benzanthronylaminanthraquinones ...	528	Schutz R <i>See</i> Extrabrat P	
	Pigment preparations ...	518	Schwab A W <i>See</i> Cowan J C	
154	Powdered flushed pigments ...	354	Schwarz W J <i>See</i> Davis R C	
253	Reactive pyrimidine dyes ...	576	Schweizer H R <i>See</i> Hopff H	
	Reducing particle size of pigments ...	470	Schwen G <i>See</i> Blum O	
	Yellow disperse dyes for polyesters ...	422	Schwertassek K Recrystallisation phenomena in drying of cellulose fibres ...	198
	<i>See</i> Monte D Dal	92, 460	Structural studies on cellulose fibres by iodine sorption ...	57
424	Sanielevici H and Teodorescu L P New method for producing Sirius Supra Brown BRL ...	137	Schwitzer M K Use of cationic chemicals in paint industry ...	135
	Sam A J Equivalent dyes for colour films with incorporated coloured couplers ...	61	Scofield F Protective coatings ...	56
153	Sarel Whitfield F G <i>See</i> Cole J H		Scott F L <i>See</i> Broderick O J J	
	Sartori M F Structure and properties of benzonaphthofuranone derivatives ...	43	Seeger I <i>See</i> Musso H	
	Satava V Thermographic study of formation of ultramarine ...	628	Sekido M <i>See</i> Iijima T	
	Satiow G Changes in characteristics of wool in processing from raw wool to cloth ...	57	Sekiguchi T <i>See</i> Asooka R	
59	Influence of dyeing on some properties of reductively-processed wool ...	521	Sekula W <i>See</i> Garda C	
431	Sato K <i>See</i> Kobayashi A, Mikawa H		Selezneva N A <i>See</i> Ioffe I S	
	Sauter W <i>See</i> Clerc J T		Sellman A Utilisation of waste heat in the textile industry ...	532
	Saville A K Development of Savagraph emulsion-printing process ...	361	Sellers & Co. (Huddersfield) Cropping and brushing machines ...	565
		Seltzer I <i>See</i> Fowler J A		
		Semlitsch M F K <i>See</i> Rebek M		
		Senger N G Simultaneous application of reactive dyes and resin precondensates ...	203	

PAGE	PAGE
<b>Serova T A</b> <i>See</i> Krasovitskii B M	
<b>Seshadri T R</b> Origin of anthocyanins ... ... ...	513
,, <i>See</i> Arora S K	
<b>Sève R</b> Modification of MacAdam's trichromatic system ...	531
<b>Seymour R B</b> Plastics ... ... ...	107
<b>Shablya A V</b> <i>See</i> Lyubomudrov E B	
<b>Shablygin M V</b> <i>See</i> Glazunov P Ya	
<b>Shakhkel'dyan B N</b> <i>See</i> Kalyavina L F	
<b>Shalimo Z H</b> <i>See</i> Kovtunenko G A	
<b>Shalimova G V</b> <i>See</i> Golomb L M, Karpov V V	
<b>Shapiro I S</b> <i>See</i> Aizenberg E S	
<b>Sharkov V I</b> <i>See</i> Dmitrieva O A	
<b>Shatrova E S</b> <i>See</i> Goryunova Z I	
<b>Shaw G</b> <i>See</i> Dewar J H	
<b>Shchukina M N</b> <i>See</i> Samolova O I	
<b>Shell Research</b> Aqueous emulsions of epoxy resins ...	57
<b>Shemyakin M M</b> <i>See</i> Agadzhanian Ts E	
<b>Shenton A</b> Dyeing Acrilan, Acrilan 16, and blends ...	473
<b>Sherlock E</b> Chemistry of phosphorus insecticides ...	417
<b>Sherman M P</b> <i>See</i> Bryant W C	
<b>Sherwood P W</b> Non-woven fabrics and methods of web formation ... ... ...	
Non-woven fabrics—new products of the paper industry	
<b>Shevchenko V I</b> Experiences in printing without a back-grey	
<b>Shibamiya F</b> and <b>Yokote M</b> Copper benz-anazaphthalocyanine Nitrogen isologue of phthalocyanine copper tetrakis(2,3-pyridino)porphyrazine ...	46
<b>Shibata R</b> <i>See</i> Hayashi T	
<b>Shigorin D N</b> <i>See</i> Kozlov Yu I	
<b>Shimoda I</b> and <b>Shindo A</b> Studies on peroxide bleaching of groundwood pulp—I, II ...	304
<b>Shindō A</b> <i>See</i> Shimoda I	
<b>Shinkorenko S V</b> <i>See</i> Pilyugin G T	
<b>Shishkina V I</b> <i>See</i> Ign'kina T N, Omel'chenko S I, P'yankova L N	
<b>Shkol'man E E</b> and <b>Voroshilova N M</b> Vat residues in production of phthalic anhydride ...	255
<b>Shmelova L S</b> <i>See</i> Arkhipova T N	
<b>Shokol Z I</b> <i>See</i> Mushkalo L K	
<b>Short W S</b> Nature of amino-formaldehyde resin tannage—II	157
<b>Shpital'nyi A S</b> and <b>Shpital'nyi M A</b> Preparation of alcohol-soluble polyamides by interphase polycondensation ...	256
<b>Shpital'nyi M A</b> <i>See</i> Shpital'nyi A S	
<b>Shri Ram Institute for Industrial Research</b> Combined molten metal and fluidised bed machine for wet treatment of textiles ...	294
Fluidised-bed machine ...	183
Threading a web through a fluidised bed ...	183
<b>Shroff G G</b> <i>See</i> Datye K V	
<b>Shtern I Ya</b> <i>See</i> Fodiman I V	
<b>Shulezko A A</b> <i>See</i> Kipriyanov A I	
<b>Sidenko Z S</b> <i>See</i> Brudz' V G	
<b>Siegrist G</b> Dyeing polycrylonitrile fibre with basic dyes ...	359
<b>Sieminski M A</b> , <b>Singleton R W</b> and <b>Sprague B B</b> Effect of radial heterogeneity on fibre properties ...	500
<b>Siltola H</b> Estimation of various carbonyl groups in cellulose	565
<b>Siltola H</b> <i>See</i> Feldman D	
<b>Simionescu C</b> <i>See</i> Drugărin C	
<b>Simonsen T</b> <i>See</i> Drugărin C	
<b>Simmons N S</b> <i>See</i> Blout E R	
<b>Simon F T</b> Small colour differences: computation and control	531
<b>Simon M S</b> <i>See</i> Rogers J B	
<b>Simon W</b> <i>See</i> Clerc J T	
<b>Sinclair R S</b> An introduction to instrumental colour measurement (Lecture) ...	442
<b>Sinegub-Lavrenko A A</b> Improving wettability of polyethylene films ...	478
,, <i>See</i> Kalyavina L F	
<b>Singleton R W</b> <i>See</i> Sieminski M A	
<b>Sinha A K</b> Studies on indigo dyes—I, II ...	513
<b>Sircar A K</b> <i>See</i> Ghosh A K	
<b>Sivsankaran K</b> and <b>Sunthakar S V</b> Anthraipyridone disperse dyes ...	570
<b>Skerlitchy A</b> Crystal kinetics in wool keratin ...	425
<b>Skorodumova Z V</b> <i>See</i> Dogadkin B A	
<b>Skorokhod O R</b> and <b>Tishchenko I G</b> Coloured complexes of tetrahydro-hydroxyaminofuranones with metals in trace analysis ...	158
<b>Skoulikidis T</b> <i>See</i> Bekiaroglou P	
<b>Slechta J</b> and <b>Valík J</b> Highly dispersed vat dyes and phthalocyanines ...	144
<b>Sloan J M</b> <i>See</i> Haydel C H	
<b>Slobodian J T</b> <i>See</i> Das Gupta S	
<b>Smaznaya-Il'ina E D</b> and <b>Sych E D</b> Synthesis of thiazolo-cyanines from thiazole derivatives with heterocyclic substituent groups ...	420
<b>Smelyakova V B</b> <i>See</i> Krasovitskii B M	
<b>Smirnov E A</b> Compounds with two separate electron-donor systems. III—Colour of nitroacyl derivatives of $\alpha$ -amino-4,4'-bis(dimethylamino)- and $\alpha$ -amino-4-dimethylamino-diphenylmethane ...	346
<b>Smirnov R P</b> <i>See</i> Borodkin V F	
<b>Smith B F</b> <i>See</i> Davison S	
<b>Smith F</b> <i>See</i> Davison S	
<b>Smith F M</b> Introduction to organic pigments (Communication)	222
<b>Smith H G</b> <i>See</i> Bullock J D	
<b>Smith J K</b> and <b>Turer J</b> Measurement of static electricity on fabrics ...	258
<b>Smith L</b> Opportunities in chemical finishing of cotton ...	203
<b>Smith P A</b> <i>See</i> Battista O A	
<b>Smith Kline &amp; French Laboratories</b> Colouring solid pharmaceutical tablets, pills, etc. ...	368
<b>Smits J</b> <i>See</i> Friedrich H J	
<b>Snyder L C</b> Hückel molecular orbital computations to describe benzidine rearrangement ...	296
<b>Sobue H</b> <i>See</i> Fukuhara S	
<b>Société Alsacienne de Constructions Mécaniques</b> Steaming apparatus for fabric ...	242
<b>Société Ameliorair</b> Drying warps or the like in open width ...	344
<b>Société Belge de l'Azote et des Produits Chimiques du Marly</b> and <b>Société Carbochimique</b> Non-ionic detergent ...	295
<b>Société Carbochimique</b> <i>See</i> Société Belge de l'Azote et des Produits Chimiques du Marly	
<b>Société Monsavon l'Oreal</b> Aromatic aminohydroxyl oxidation bases ...	469
Cation-active tertiary amine salts for setting hair ...	345
Oxidation bases for hair dyeing ...	196, 303
Permanent setting of keratinous fibres ...	309
<b>Société Nouvelle Pica</b> Solvent-recovery plant ...	183
<b>Société Rhodiacaeta</b> Improving affinity for dyes of polyolefin fibres ...	151
Relief effects on fabrics made from polyamide and polyester filaments ...	477
<b>Société des Usines Chimiques Rhône-Poulenc</b> Aqueous emulsions of antifoam agents ...	135
Organopolysiloxane compositions—antifoaming agents ...	626
Treating fine powders with vaporised organopolysiloxanes ...	184
Yellow pigments for ceramics and enamels ...	99
<b>Société de la Viscose Suisse</b> Metallic lustre effects on fabrics containing thin fibres and thick thermoplastic fibres ...	155
Wash-and-wear finish for rayon cloth ...	363
<b>Solla R</b> <i>See</i> Lehtikoski O	
<b>Sokol P E</b> <i>See</i> Menkart J	
<b>Sokolov S I</b> <i>See</i> Fedoseeva E G	
<b>Solar Chemical Corp.</b> Dispersing pigment in plastic material ...	257
<b>Somerville G R</b> <i>See</i> Marshall C D	
<b>Sommer F</b> <i>See</i> Beyer H	
<b>Sommer H</b> <i>See</i> Linke F	
<b>Sommer P F</b> <i>See</i> Clerc J T	
<b>Sookne A M</b> <i>See</i> Hersch S P, Krasny J F	
<b>Sorkin M</b> Soiling properties of resin-treated fabrics ...	204
<b>Souther R H</b> Waste water control and water conservation ...	461
Water conservation and abatement of pollution ...	417
<b>Spackman J W C</b> Effect of free radicals on carbon blacks studied by electron spin resonance ...	66
<b>Spasokukotskii N S</b> <i>See</i> Deichmeister M V	
<b>Speakman J B</b> Recent advances in technology of man-made fibres ...	471
,, <i>See</i> Tolgyesi V, Wolfram L J	
<b>Spier K</b> Dyeing polyester-cellulose fabric mixtures with Polyestole dyes by Thermosol process ...	149
<b>Spiers C H</b> <i>See</i> Rothwell P	
<b>Spooner Dryer &amp; Engng Co.</b> Drying of paper ...	242
<b>Sprague B B</b> <i>See</i> Sieminski M A	
<b>Srall R E</b> <i>See</i> Hilliard D A	
<b>Srámek J</b> Paper chromatography of water-insoluble dyes (Communication) ...	326
<b>Sribnaya V P</b> and <b>Tolmachev A I</b> Condensation of thiocchrome with compounds containing active methyl or methylene groups ...	347
<b>Srivastava K</b> <i>See</i> Mehrotra J K	

GE		PAGE	PAGE	
120	Staab W Fifty years of Naphtol AS ...	187	Sumitomo Chemical Co. 1,3-Dimethylol-4,5-bis(alkoxy-2-imidazolidinones)—intermediates for textile resins and fixing agents for pigment-resin printing pastes ...	509
	Staflex Co. Fusible interlining material ...	205	Summers H B <i>See</i> Hedrick G W	
	Stahl J Application of acrylic fibres in hosiery ...	58	Sumner H H and Vickerstaff T Methods of controlling dyeing with reactive dyes ...	101
	Stainsby G <i>See</i> Crosby N T		, <i>See</i> Ingamells W	
	Staley A E Manufacturing Co. Granular carbamyl ether of starch ...	94	Sun Chemical Corp. Resin finish having no tendency to retain chlorine ...	586
	Softening agent ...	565	Sun Li I <i>See</i> Matetskill I A	
346	Stamm O A and Zollinger H Limits of correlation of colour, absorption spectrum, and chemical structure of pigments ...	296	Sunthankar S V <i>See</i> Nagaraja S N, Sivsankaran K	
222	Stamp A <i>See</i> Barker C C		Sussex A G Nature of metal surfaces and metal-paint interfaces ...	249
258	Stan P B <i>See</i> Krasny J F		Suyama H <i>See</i> Halokai H, Ishii M	
203	Staniewski J <i>See</i> Kocur L		Suzawa T Zeta potential of natural and synthetic-polymer fibres in direct dye solutions ...	305
	Stanway E <i>See</i> Leemets		Suzuki H <i>See</i> Ito N, Narasaki H	
	Starling C Problems of textile chemical wastes ...	461	Svenson R Shrinkage testing of wool fabrics ...	108
	Staub W <i>See</i> Dolder F		Svoboda V <i>See</i> Korbl J	
	Steele R Some fabric properties and their relation to crease-proofing effects ...	253	Swanepoel O A <i>See</i> Haly A R	
	, <i>See</i> Gill R A		Switzer Brothers Vehicle for printing inks, particularly those containing fluorescent colorants ...	56
368	Steffanoni E <i>See</i> Malsano G		Sych E D <i>See</i> Kipriyanov A I, Smaznaya-II'ina E D	
	Stein H J <i>See</i> Gygax R		Synan J F <i>See</i> Holbrook R L	
296	Stemoroski J C, Wagoner J F, Windus W and Witham W C Dialdehyde starch as pretanning agent for vegetable-tanned sole leather ...	587	Szekely A Continuous bleaching of linen cloth ...	631
	Stepanek V <i>See</i> Arient J		, <i>See</i> Rusznak I	
242	Sterba V <i>See</i> Arient J		Szent-Györgyi A <i>See</i> Beukers R	
344	Sterling Drug Co. 2-(4-Aroylamino-phenyl)-5,7-dihydroxy-2H- $\gamma$ -triazolo[4,3-d]pyrimidines—fluorescent brightening agents ...	469	Szent-Györgyi A E <i>See</i> Blout E R	
295	Water-insoluble benzimidazolylstilbene fluorescent brightening agents ...	249	Szwarczta J Sizing and filling paper in neutral or basic medium—I	587
	Stern H Dyeing sewing thread of polyamide and polyester fibres ...	521		
	Thermal stability and wool reserve of disperse dyes: two important criteria in dyeing of polyester fibres ...	60		
469	Stetsenko A V <i>See</i> Lishko V K			
345	Stevens W and Wixinger R Methine dyes from tetrahydroxanthylum salts—I	95	Tadokoro H <i>See</i> Kitazawa T	
303	Stewart J R Union dyeing of hosiery ...	358	Tagawa T <i>See</i> Koshimo A	
309	Stiles W S and Wyszecki G W Counting metamerism object colours ...	435	Tager A A <i>See</i> Dubinin M M	
188	Field trials of colour mixture functions ...	259	Tait G H <i>See</i> Gibson K D	
477	Stirling P H <i>See</i> Ho H		Tajiri H Paper chromatography and polarography of metal-dye complexes ...	636
	Stoicescu-Crivat L <i>See</i> Gabe I		Paper chromatography of solvent dyes ...	367
135	Stolp J A <i>See</i> Cowan J C		Paper chromatography of vat dyes ...	311
626	Stone A L <i>See</i> Bradley D F		Takada S <i>See</i> Ohashi S	
184	Störiko K <i>See</i> Porath J		Takagi I <i>See</i> Kitao T	
99	Stott G L Accelerator as machine for testing felting shrinkage	159	Takase Y and Yatome C Studies on dyeing of acrylonitrile fibres. XIII—Effects of aliphatic primary amines on dyeing with cationic dyes ...	428
	Stoyan L V <i>See</i> Ludmire Yu V		, <i>See</i> Ogawa T	
155	Strain H H <i>See</i> Crespi H L		Takemura F Dye-sensitised photopolymerisation of vinyl monomers—I, II	588
363	Strain R N C Solar reflectivity of paints ...	146	Takizawa E Correlation of $\pi$ -electrons in organic dyes ...	43
	Strakhov M I Plant for bleaching fabric ...	41	Talen H W Formation of paint films ...	519
	Strauss G <i>See</i> Nickerson W J		Tanabe K <i>See</i> Air Reduction Co.	
	Streetfield E L Scientific basis of organic boiler water treatment	565	Tanaka H <i>See</i> Machida J	
257	Strelis I <i>See</i> Green H V		Tanaka R <i>See</i> Hirose S	
	Strell M <i>See</i> Kalojanoff A		Tanaka S <i>See</i> Ogawa M	
	Strel'nikova A P <i>See</i> Kirillov N I		Tandon S P <i>See</i> Chauhan J S	
	Strobel A F Improvement of light fastness of dyes on synthetic fibres by ultraviolet absorbers ...	306	Tanizaki Y <i>See</i> Ando N	
	Stubbing R Colour matching in tannery ...	368	Tarasova Z N <i>See</i> Dogadkin B A	
	Stupa Corp. Photosensitive sheet ...	62	Tate & Lyle Automatically measuring colour density of materials ...	160
204	Stussig H Historical review of wool dyeing ...	200	Taube R K <i>See</i> Poole D N	
461	Successeurs de Grosselin et Dehairet Belt system for driving work rollers of raising machines ...	242	Taubman A B <i>See</i> Borodina V N, Filatova M A, Konstantinova V V	
417	Sucker Gebrüder Preparation of size and printing pastes ...	565	Taylor B A and Wade W G Dispersion of micronised pigments by high-speed stirring ...	354
66	Testing sizing or similar liquids ...	260	Taylor F W & Son Milling machine ...	93
	Suda T <i>See</i> Air Reduction Co.		Taylor G B Titanium dioxide in a changing market ...	245
	Sudnik Z M Three-dimensional replica standards for assessing fabrics creased in the dry state by the Celanese wrinkle tester ...	436	Taylor J T <i>See</i> Hurwitz M D	
471	Suesz A <i>See</i> Calin G		Taylor W <i>See</i> Corbett W M	
	Sugar Research Foundation Detergent ...	42	Tayside Floorcloth Co. Floor coverings ...	205
149	Sugawa T Relation between dyeing conditions and surface-charge density of cellulose fibres ...	472	"Technicus" Non-iron wool fabrics ...	475
242	Relation between surface-charge density and dye adsorption of nylon 6 fibres ...	473	Tedder J M and Webster B Heterocyclic diazo compounds. II—2-Diazopyrroles ...	462
	Sugiyama Y <i>See</i> Fukuda T		Teeter H M <i>See</i> Cowan J C	
326	Sukhina A F <i>See</i> Ioffe I S		Telang S A <i>See</i> Dave K G	
	Sumaya H and Uzumaki M Studies on polyvinyl alcohol fibres. VI—Relation between formalisation conditions and knot strength of polyvinyl alcohol fibres ...	360	Telesz L A <i>See</i> Johnson C D	
347	, <i>See</i> Nakajima T		Tensora G.m.b.H für tech. u. industr. Erzeugnisse Konservierungsvorfahren Permanent setting of wool ...	155
			Reducing felting power of wool ...	205
			Teodorescu L P <i>See</i> Sanolevici H	
			Teramura K <i>See</i> Hirose S	

PAGE	PAGE		
<b>Terasaki I</b> Studies on cellulose phenyl thiourethane. I—Preparation of cellulose phenyl thiourethane ... ... ...	425	<b>Tominaga N</b> Mechanism of ninhydrin reaction on filter paper	510
„ and <b>Yokayama H</b> Studies on cellulose phenyl thiourethane. II—Properties of blended viscose and spinnability. III—Properties of cellulose-cellulose phenyl thiourethane mixed fibres ... ... ...	425	<b>Tomlinson's (Rochdale)</b> Brushing device for use with a cropping machine ... ... ...	134
„, <i>See</i> Matsuki M		Raising machines ... ... ...	93
<b>Terashima H, Yoshikawa S</b> and <b>Yoshizaki T</b> Non-ionic surfactants as dyeing assistants—I, II... ...	201	<b>Tomura S</b> and <b>Yamamoto K</b> Metallic complexes from chlorophyll ... ...	189
<b>Terashima T</b> Identification and determination of 2-( <i>p</i> -sulphophenylazo)-1-naphthol in Orange I ... ...	589	<b>Tong L K J</b> <i>See</i> Reaves R L	
<b>Terenin A</b> Charge transfer in organic solids, induced by light „, <i>See</i> Lyubomudrov E B	43	<b>Tonnquist G</b> <i>See</i> Jönsson L	
<b>Terzijaka D</b> <i>See</i> Korbl J		<b>Tonomura S, Ueno I</b> and <b>Yamamoto K</b> Metallic complexes from chlorophyll ...	190
<b>Tesi A F</b> <i>See</i> Fortress F		<b>Tough D</b> Manufacture, properties, and use of mass-pigmented viscose yarn ...	630
<b>Tesoro G C</b> Cross-linking of cellulose with polyfunctional sulphones under anhydrous conditions... ...		<b>Town End Chemical Works</b> Pattern Cards ...	93
<b>Texon</b> Apparatus for saturating wet paper web with latex Impregnated fibrous webs ... ...		<b>Toyoda H</b> <i>See</i> Komuro T	
<b>Textil-Gesellschaft</b> Bleaching with monoperacetic acid		<b>Trabacchi G</b> <i>See</i> Bianco M Del	
<b>Textile Institute</b> Determination of alkali solubility of wool Determination of gelatin and oil size in viscose rayon and acetate yarn and fabric ...	362	<b>Trepka E</b> <i>See</i> Burski C, Markiewiczowa W	
Determination of urea-bisulphite solubility of wool ...	477	<b>Trinkin N R</b> <i>See</i> Goryachenko N A	
<b>Textile Research Institute</b> Cellulose derivatives that do not exhibit after-glow ...	527	<b>Tripathy P</b> <i>See</i> Rout M K	
Flame-resistant cellulose derivatives ...	632	<b>Troitskaya V S, Vinokurov V G</b> and <b>Zagorevskii V A</b> Colour of chromone 2-carboxylic acid derivatives ...	296
<b>Tezuka Y</b> Study of polyoxyethylene- <i>NNN'N'</i> -bisethylene-urethanes. II—Preparation in water ...	311	<b>Trotter I F</b> Characterising solvent-soluble dyes by optical transmission methods ( <i>Communication</i> ) ...	76
Studies on polyoxyethylene- <i>NNN'N'</i> -bisethylene-urethanes. III—Cellulose treatment ...	432	<b>Troy J E</b> Wet treatment of running yarns ...	242
Water-repellent effects of <i>NN</i> -ethylenestearyl urethane		<b>Trubin A K</b> <i>See</i> Goryachenko N A	
Water-repellent effect of octadecyl isocyanate derivatives „, <i>See</i> Iwakura Y		<b>Trunov-Krasovskii V I</b> <i>See</i> Fain V Ya	
<b>Thaler H</b> Derivatives of aminoazobenzene as diazo components in Naphtol AS dyeing ...		<b>Truter E V</b> <i>See</i> Fraser I E B, Purdy S J	
Stability of solutions of the Fast Dye Salts of diazotised Fast Bases of the Naphtol AS series at high temperatures ...	432	<b>Tschekalina M A</b> and <b>Wirnik A D</b> Dyeing of protein fibres with reactive dyes ...	582
<b>Thege I K</b> <i>See</i> Pungor E		„, <i>See</i> Chekalina M A	
<b>Theidel H</b> Viscometric and microscopic investigations on cellulose ...		<b>Tsekhanovskii R S</b> Substantive properties of symmetrical diphenylalkane diazo dyes ...	568
<b>Therachemie Chemisch Therapeutische</b> Amino-1,3,5-triazine perhydrates as oxidising agents in hair bleaching and dyeing ...	105	<b>Tsetlin B L</b> <i>See</i> Glazunov P Ya	
<b>Thirot G</b> <i>See</i> Petitcolas P		<b>Tsillipotkina M V</b> <i>See</i> Tager A A	
<b>Thirtie J R</b> <i>See</i> Barr C R, Brown G H		<b>Tsuiji W</b> <i>See</i> Imai M, Kitamura R	
<b>Thomas E J</b> <i>See</i> Clark J J		<b>Tsuzamaki T</b> <i>See</i> Mukai T	
<b>Thomas M R</b> <i>See</i> Crespi J L		<b>Tsuzuki Y</b> <i>See</i> Kato S	
<b>Thomas R J</b> Continuous dyeing of Orlon acrylic tow ...	148	<b>Tuchkov B S</b> <i>See</i> Abramova E A	
<b>Thompson A B</b> Fibres from polypropylene ...	58	<b>Tune W J</b> Trends of light-fast Hansa Yellows, zinc yellows, and strontium chromates ...	245
<b>Thomson C</b> <i>See</i> Ayscough P B		<b>Turbo Machine Co.</b> Automatic hosiery-dyeing machine ...	416
<b>Thorsen W J</b> and <b>Veneklasen P</b> Spectral distribution of sound produced by fibres and fabrics in friction. I—Improved instrumentation ...	187	<b>Turer J</b> <i>See</i> Smith J K	
<b>Thummel L</b> Progress in dyeing of wool-polyester mixtures...	103	<b>Turiansky I</b> <i>See</i> Dowd R T	
<b>Thürkau M</b> <i>See</i> Miescher K		<b>Turki A R</b> <i>See</i> Farag M S	
<b>Time</b> Pigments of fine particle size for coating paper... ...	587	<b>Turner I</b> <i>See</i> Acheson R M	
<b>Timokhin I M</b> <i>See</i> Dkhariyai Ch D, Finkelstein M Z		<b>Tyurina L N</b> <i>See</i> Al'perovich M A	
<b>Timson E A</b> Heat treatment and drying of materials...	41		
<b>Tishchenko I G</b> <i>See</i> Skorokhod O R			
<b>Tiwari R D</b> <i>See</i> Lal L B			
<b>Tlamicha A J</b> Mechanical delustering of synthetic-polymer yarns ...			
<b>Toda H</b> <i>See</i> Hamada T, Kijima T	205	<b>U</b>	
<b>Toda S</b> <i>See</i> Koizumi M		<b>Uarco</b> Metallic coating of thermoplastic particles ...	303
<b>Tögel E</b> Dimensional stabilisation of knitted cellulosic-fibre fabrics ...	204	Pressure-sensitive recording material ...	65
<b>Tok N D</b> <i>See</i> Aleksandrova E M		<b>Über M</b> <i>See</i> Blažej A	
<b>Tokar E G</b> Antimony electrode for remote control of dyebath pH ...	159	<b>Ueda Y</b> <i>See</i> Kakamura M	
<b>Tokareva L G</b> <i>See</i> Glazunov P Ya		<b>Uedaira Hatsuho</b> <i>See</i> Uedaira Hisashi	
<b>Tokiwa F</b> <i>See</i> Ikeda S		<b>Uedaira Hisashi</b> and <b>Uedaira Hatsuho</b> Effects of primary alcohol groups on the interaction between cellulosic fibres and direct dyes ( <i>Correspondence</i> ) ...	233
<b>Tolgyesi V</b> and <b>Speakman J B</b> Analysis of functions of deposits of polymer in modifying milling shrinkage of all-wool flannel ( <i>Communication</i> ) ...	404	<b>Ueno I</b> <i>See</i> Tonomura S	
<b>Tölgessy J</b> <i>See</i> Blažej A		<b>Uesugi K</b> <i>See</i> Katsube Y	
<b>Tolin A H</b> <i>See</i> Giles C H		<b>Ulrich H M</b> Some reflections on dyeing of ester fibres...	582
<b>Tolmachev A I</b> <i>See</i> Sribnaya V P		<b>Ulrich P</b> New methods of fixing Cibacon dyes...	358
<b>Tolmachev V N</b> <i>See</i> Babenko A S		Use of catalysts in application of Cibacon dyes ...	632
<b>Tolmasquin E</b> <i>See</i> Roselra A N		„, <i>See</i> Black W, Schaub H P	
<b>Tolstaya S N</b> <i>See</i> Borodina V N		<b>Underwood D L</b> and <b>White H J</b> Kinetics of absorption and desorption of single ions by keratin fibres ...	198
		<b>Underwood Corp.</b> Coating for carbon paper... ...	65
		<b>Unilever</b> Hair-dyeing compositions containing basic dyes Imparting fungicidal properties to paper... ...	103
		Pyrazoline derivatives—fluorescent brightening agents...	156
		<b>Union Carbide Corp.</b> Aminoalkyl silicon compounds for increasing the affinity of substrates for pigments, dyes, and elastomeric polymers and as dye-fixing agents ...	151
		Apparatus for gas-plating of fibres... ...	564
		Coloured masterbatch of monochlorotrifluoroethylene-vinylidene fluoride copolymer for use with trifluoromonochloroethylene compositions ...	479
		Colouring glass fibres with aid of coating of anodised aluminium ...	151
		Dyeing with silicon-containing azole dyes... ...	151
		Improving dyeing properties of polyethylene terephthalate ...	58
		Metallised paper ...	65

AGE	PAGE	PAGE
510		
134	Union Carbide Corp.—continued	
93	Nitroarylsilanes and nitroarylpolysiloxanes—inter- mediates for azo dyes	191
189	Organometallic dispersing agents for pigments	424
190	Organosilicon compounds as absorbers of ultraviolet radiation	136
630	Organozirconium compounds as dispersing agents for pigments	197
93	Polyethylene oxide as warp size	93
296	Polysiloxane azo dyes	350
76	Printed plastic films...	152
242	Re-erecting the thermoplastic pile of a fabric	65
582	Silane azo dyes	140
568	Silicon-containing azo triazine dyes for glass fibres	51
245	Silicon-containing thiazine dyes	54, 141
416	Silicon-containing triazolinemethane dyes	51, 141
303	Silicon-containing triazine compounds—sizes and water- repellent agents	136
65	Siloxane azo dyes	141
233	Warp size	185
582	United Carbon Co. Carbon black	294
568	Control for a carbon black reactor	501
245	Oil-pelleted carbon black	577
416	United Merchants & Manufacturers Concentrates for production of emulsions for colouring textiles...	474
303	Dyeing and printing double cloths for curtaining...	150
65	Increasing wet fastness of dyeings...	150
233	United States Catheter & Instrument Corp. Bleaching polytetrafluoroethylene filaments	258
582	United States Department of Agriculture Interfacial polyamide treatment of wool fabrics to impart shrink- resistance	64
568	United States Rubber Co. Wet brushing of woven asbestos fabrics	477
303	United States Secretary of Agriculture	
65	Cellulosic phosphonomethyl ether fibres	199
233	Chemically modified partial ethers and esters of cellulose textiles	154
582	Dimethylformamide as catalyst when treating wool with anhydrides	309
568	Imparting dimensional stability to cellulose ester and ether textiles	477
245	Imparting dimensional stability to wool fabrics	477
416	Paint vehicle having fungicidal properties...	249
303	Perfluoroalkanoyl esters of cellulose fibres...	205
65	Perfluoroalkanoyl esters of cellulose—water- and oil- repellent finish on cellulosic materials...	477
233	Permanent setting of wool	363
582	Pinonic acid as wetting agent in mercerising lye	135
568	Reducing felting power of wool	586
245	Reducing felting properties of wool and rendering textiles dimensionally stable	155
416	Rotproofing cellulosic textiles with metallic selenides	205
303	Strong, rot-resistant benzylcellulose fibres	363
65	Tanning with tetrakis(hydroxymethyl)phosphonium chloride and a phenol or phenol acid	478
233	Treating wool with acid chlorides in presence of dimethyl- formamide	477
582	United States Secretary of the Air Force Fine-mesh pattern on a substrate	525
358	Tetrakis(hydroxymethyl)phosphonium chloride as tanning agent	478
632	United States Secretary of the Army Fast-to-washing water-repellent finish on feathers	160
198	Improving tear strength of fabrics rendered flame- resistant with tetrakis(hydroxymethyl)phosphonium chloride	477
65	Tanning with alkaline glyoxal	107
103	Universal Oil Products Co. Glucose ether surfactants	135
156	Surfactants from carbohydrates	184
144	Upadhyay P B See Mehta P C	
151	Ushenko I K Carbocyanines and merocyanines containing phenylacetylenyl groups...	298
564	Cyanine dyes from the products of reaction of aromatic and alicyclic ketones with quaternary salts of 2-methyl- benzthiazole	298
479	Synthesis of arylbenzthiazoles and their conversion into thiacyanocyanines...	298
151	„ See Al'perovich M A	
58	Usui Y See Koizumi M	
65	Uzumaki M See Ishii M, Nakajima T, Sumaya H	
		V
	Vail S L See Frick J G	
	Vakarchuk I S See Ostroverkhov V G	
	Vakula V L and Voyutskii S S Adhesion of polymers. IX—New method of preparing bonded strips for determining mutual adhesion of elastomers	256
	Valdehita M T See Carballido A	
	Valin J See Slechta J	
	Valko E I See Limdi K M	
	Valtschewa R See Dimov K	
	Vanderbilt B M See Jaruzelski J J	
	Vannoy W G Extenders in exterior house paints	146
	Vartanyan A T Absorption spectra of films of sublimed dyes	45
	Vasiliev C See Feldman D	
	Vassiliadis A See Zahn H	
	VEB Chemische Fabrik Grünau Amphoteric surfactants...	565
	VEB Ernst Maschinenfabrik Karl-Marx-Stadt Calender Mangle	183
	Pressure rollers for calenders, padding machines, etc.	503
	VEB Textilmaschinenbau Gera Apparatus for viewing both sides of a moving length of cloth	344
	VEB Webstuhlbau Karl-Marx-Stadt Tensioning roller regulators, particularly for warp-sizing machines	312
	Vedenov G N See Alzenberg E S	508
	Veer L S See Lako J	
	Veerkamp T See Duynstee E F J	
	Wei-gan Chzhan See Khvostenko N M	
	Vejnoska L W See Frederick M	
	Veneklaes P See Thorsen W J	
	Venkataraman K Recent progress in synthetic dyes...	94
	„ See Dave K G	
	Vereinigte Glanzstoff-Fabriken Antistatic lubricants for synthetic-polymer fibres	625
	Dyeing polypropylene brick red with the reaction product of tetracyanoethylen and indole	361
	Dyeing synthetic-polymer filaments black	360
	Vereinigte Papierwerke Schickedanz & Co. Deodorants for textile finishing	566
	Epoxy resin adhesives for bonding cellulosic fibres	566
	Uniformly distributing foams on substrates	155
	Verma S S Colorimetric studies on pink vitreous enamels	197
	Verona-Pharma Chemical Corp. Metal-complex monoazo dyes for wool, etc.	48
	Vesely M See Mužík F	
	Victor Chemical Works Flame-resistant finish on cellulosic materials	64
	Vidal I S Automatic dye feeder system for screen-printing machines	151
	Screen-printing machine	93
	Victor M L See Guenther R A	
	Villanua L See Carballido A	
	Vinke H Two-phase printing	61
	Vinograd L Kh See Karpov V V	
	Vinokurov V G See Troitskaya V S	
	Virkola N E See Lehtikoski O	
	Virknik A D See Chekalina M A, Tschekalin M A	
	Vix H L E See Decossas K M	
	Vlasov A V See Glazunov P Ya	
	Vlimmeren P J van Modern methods of chrome tanning of upper leather	255
	Vodonik J L See Casey R S	
	Voedisch R W Daylight fluorescent pigments	139
	Voet A Chemical nature of densification of carbon blacks	623
	Voronkova V V See Bergelson L D	
	Voroshilova N M See Shkol'man E E	
	Voskoboeva T N See Kazymov A V	
	Voyutskii S S See Vakula V L	
	Vyskocil F See Arient J	
		W
	Wacker Chemie Organopolysiloxane compositions for rendering leather and textiles water-repellent	136
	Wada M J See Johnson A	
	Waddington John Transfers	475
	Wade R H See Cooper A S	
	Wade W G See Taylor B A	
	Wadia M J Recent developments in resin finishing	63
	Wagg R E See Britt C J	
	Wagner D See Rath H	

PAGE	PAGE
Wagner <b>Günther</b> Carbon-type copying paper having a plastic basis ... ... ... ... ... 104	Wiles R L <i>See</i> Goldthwait C F
Hectographic paper ... ... ... ... ... 310	Williams G <i>See</i> Ingamells W
Wagner <b>K</b> Semi-continuous dyeing methods for Remazol dyes ... ... ... ... 427, 472	Williams G T <i>See</i> Cox P D
Wagner J F <i>See</i> Stemoroski J C	Williams J L R <i>Trans-cis-trans</i> phototropism of 2-styryl-pyridine methiodide ... ... ... ... 418
Wahba M <i>See</i> Aziz K	Williams J P <i>See</i> MacDonell H L
Wahba W <i>See</i> Apostolides A N	Williams L L <i>See</i> Keggi J J
Walkden, <b>Makin &amp; Co.</b> Dye jig ... ... ... ... 41	Williamson R Modern techniques in physical and chemical finishing ... ... ... ... 475
Heat treatment of textile fabrics ... ... ... ... 508	Willis H A <i>See</i> Haslam J
Walker J <i>See</i> Mijovic M P V	Wilroy R D Feasibility of treating textile wastes in connection with domestic sewage ... ... ... ... 461
Walker R D <i>See</i> Keppe R A	Wilson D Effect of antistatic agents on soiling of garments and on ease of soil removal during washing ... ... ... ... 251
Wallace F B Relief printing ... ... ... ... 584	Wincor W Water in the textile industry ... ... ... ... 242, 344
Walraven P L On the Bezold-Brücke phenomenon ... ... ... ... 108	Windus W <i>See</i> Stemoroski J C
,, <i>See</i> Leebeck H J	Winterbottom Book Cloth Co. Light-sensitive sheet material ... ... ... ... 205
Walsh M <i>See</i> Fenner T W	Winters D <i>See</i> Corbett W M
Walton R R Hardening, milling, washing, and dyeing felt in one continuous operation ... ... ... ... 134	Wirknik A D <i>See</i> Chekalina M A, Tschekalina M A
Wannow H A <i>See</i> Müller J	Wirth H <i>See</i> Meyer G
Warburton F L Characterising solvent-soluble dyes (Correspondence) ... ... ... ... 285	Wirtz G and Wunderlich K Waterproofing with solvents after dry-cleaning ... ... ... ... 585
Ward A G <i>See</i> Crosby N T	Wiseman L A Market trends in fibres ... ... ... ... 131
Ward C D <i>See</i> Jaekel S M	Witham W C <i>See</i> Stemoroski J C
Ward G C <i>See</i> Fortess F	Witnauer L <i>See</i> Carroll R
Ware J Incorporating powders in rubber and plastic compositions ... ... ... ... 529	Wittmann H Reaction of diazonium salts with mono- and di-hydroxyphenylalkylamines ... ... ... ... 419
Warren C K <i>See</i> Barber M S	Witzinger R <i>See</i> Kirner H D, Stevens W
Warren Co. S D Coated papers ... ... ... ... 634	Włochowicz A <i>See</i> Godek J
Electrophotographic printing paper ... ... ... ... 105	Wolfram L J and Speakman J B Formation of polymers on wool. I—Polymethylene (Communication) ... ... ... ... 407
Sized mineral-filled paper ... ... ... ... 527	Wollenweber P Thin-layer chromatographic separation of dyes on cellulose films ... ... ... ... 435
Warwicker J O <i>See</i> Ford J E	Woo H K C <i>See</i> Bogdan J F
Wasserman H H <i>See</i> Keggi J J	Wood F C Historical survey of development of crease-resist treatments ... ... ... ... 203
Watanabe A <i>See</i> Koizumi M	Woodhouse J M <i>See</i> Whewell C S
Watanabe R <i>See</i> Hida M	Woodlyn Corp. Mélange effects on unchlorinated wool ... ... ... ... 523
Watanabe T <i>See</i> Hida M	Wormgoor B R H Estimating initial naphthol concentration in azo dyeing ... ... ... ... 479
Watt I C <i>See</i> Aigle J E, Mackay B H	Wray G R Manufacture of fabrics by bonding ... ... ... ... 198
Watts J T <i>See</i> Buswell A G	Wunderlich K <i>See</i> Wirtz G
Wawrzyniak A <i>See</i> Majzner J	Wurst M and Wurstova E Separation of dye intermediates by paper electrophoresis ... ... ... ... 366
Waythomas D J <i>See</i> O'Connor F M	Wurstova E <i>See</i> Wurst M
Webb K R <i>See</i> Pigott R F E	Würz A Advances in dyeing of polyester-wool mixtures ... ... ... ... 149
Weber R New machines for fully continuous processing ... ... ... ... 182	Experimental contribution to mechanism of carrier dyeing ... ... ... ... 60
Webre B G <i>See</i> Benito R R	Progress in dyeing polyester-cellulosic fibre mixtures ... ... ... ... 522
Webster A The Factories Acts ... ... ... ... 237	Wyandotte Chemicals Corp. Bleaching cotton with tetrachloronamides ... ... ... ... 199
Webster B <i>See</i> Tedder J M	Continuous production of high-solids, low-viscosity slurries of calcium carbonate ... ... ... ... 635
Weco Products Co. Bacteriostatic thermoplastic plastics ... ... ... ... 635	Surfactants ... ... ... ... 42
Weedon B C L <i>See</i> Barber M S	Wyszecki G <i>See</i> Davies W E R, Stiles W S
Wegmann J Dyeing mechanism and colour change on soaping of vat dyes ... ... ... ... 472	X
Weigel K Polyethylenes as surface protectors ... ... ... ... 588	Xerox Corp. Developing electrostatic images ... ... ... ... 584
Weihls A <i>See</i> Béthel W	Unmottled transfer of xerographic dye images ... ... ... ... 584
Weimann C Advances in dyeing, finishing, and printing in U.S.S.R. 1960 ... ... ... ... 101	Y
Weiner L I Influence of finish on flex-abrasion resistance of cotton sateen ... ... ... ... 591	Yagupolskii L M <i>See</i> Gruz B E
,, <i>See</i> Pope C J	Yakimov G I <i>See</i> Chernomordik A Z
Weisenhorn P <i>See</i> Früh M	Yakubovich S V <i>See</i> Kolotyrkin Ya M, Kurskaya A G
Weisberger A <i>See</i> Barr C R, Brown G H	Yamaguchi M Paper chromatography of polyhydroxy-naphthoquinones ... ... ... ... 529
Weltzien W <i>See</i> Bull A, Fester W	,, <i>See</i> Mukai T
Wenninger J A <i>See</i> Jones J H	Yamamoto K <i>See</i> Tomura S, Tonomura S
Werdenberg H Accelerated developing of Cibacron dyes in printing ... ... ... ... 202	Yamatsuchi A <i>See</i> Kawakami H
Werner A E Chemistry and physics of artists' materials ... ... ... ... 177	Yanovskii D M <i>See</i> Kozlova N V
Wertz W I <i>See</i> Richardson S H	Yantovskii I A <i>See</i> Goryachenko N A
West K Weathering of textile yarns ... ... ... ... 589	Yashunskii V G <i>See</i> Samoilova O I
West Point Manufacturing Co. Preventing material treated with thermosetting aldehyde resins from smelling ... ... ... ... 590	Yates P <i>See</i> Farnum D G
Wetlaufer D B <i>See</i> Blout E R	Yatome C <i>See</i> Takase Y
Weymouth F J <i>See</i> John J A	Yin Y <i>See</i> Chang C-L
Whalley C Analysis of surface coatings ... ... ... ... 480	Yoe J H <i>See</i> Katsube Y
Wheeler G K <i>See</i> Carty W H	Yokayama H <i>See</i> Terasaki I
Wheeler O H <i>See</i> Gore P H	Yokote M <i>See</i> Shibamiya F
Whelan B Processing of nylon ... ... ... ... 579	Yorkshire Dyeware & Chemical Co. Pattern Cards ... ... ... ... 182, 460
Whewell C S, Woodhouse J M and Bajpai J S Reaction between tetrakis(hydroxymethyl)phosphonium chloride (THPC) and wool keratin (Correspondence) ... ... ... ... 235	Yoshikawa S <i>See</i> Kondo M, Terashima H
,, <i>See</i> Ogawa A	
White H J <i>See</i> Underwood D L	
Whitfield R E <i>See</i> Brown A H	
Whitmore L M <i>See</i> Downing G V	
Wiasmitinow A Early history of calico printing ... ... ... ... 428	
Wieland T <i>See</i> Biener H	
Wiest H K <i>See</i> Enders H	

PAGE	PAGE	PAGE
Yoshimura K <i>See</i> Kato K	Zellstofffabrik Waldhof Polyethylene-coated paper...	528
Yoshizaki T <i>See</i> Terashima H	Zeronian S H <i>See</i> Nevoli T P	
Yun K-H <i>See</i> Chao Y P, Kao L-L	Zettlemoyer A C <i>See</i> Lui Y-K	
Yurkova A P <i>See</i> Ludimer Yu V	Zhigack K F <i>See</i> Finkelshtain M Z	
Yussef Yu L <i>See</i> Farag M S	Zhigarev S K <i>See</i> Aizenberg E S	
<b>Z</b>		
Zabrodina K S <i>See</i> Klimova V A	Zhilina L D <i>See</i> Delchmelster M V	
Zagorevskii V A <i>See</i> Troitskaya V S	Zhukova E N <i>See</i> Ioffe I S	
Zahn H Defects on dyed worsted tops, yarns, and woven	Zhuravlev A K <i>See</i> Eltingon S I	
461 fabric ... ... ... ...	Ziegler K New developments in bleaching of wool ...	471
251 „ and Vassiliadis A Reactions between tetrakis(hydroxy-	Zimmer E <i>See</i> Kühn K	
344 methyl)phosphonium chloride (THPC) and wool	Zimmer I <i>See</i> Rusznak I	
205 keratin (Correspondence) ... ... ... ...	Zimmermann H Printing of Remazol dyes by the flash-	
Záhorský U I <i>See</i> Musso H	ageing process (Symposium) ... ... ...	609
Zajfert J <i>See</i> Boczkowski D	Ziskin N A <i>See</i> Goldemberg R L	
Zakieva S Kh <i>See</i> Konstantinova V V	Zlochevskaya A V <i>See</i> Gutsulyak B M	
Zalkind J Multicolour writing transfer sheet ...	Zollinger H Relation between empirical and scientific	
585 Zal'manovich M Z <i>See</i> Ioffe I S	foundations in wool dyeing ... ... ...	359
131 Zanker V <i>See</i> Scheibe G	„, <i>See</i> Bosshard H H, Stamm O A	
Zaprosyan T O <i>See</i> Kazaryan L Z	Zubarovskii V M <i>See</i> Bachurin M P, Khodot G P, Moskaleva	
Zaumbrecher H <i>See</i> Craemer K	R N	
479 Zeidler H <i>See</i> Schiedewitz H	Zubov P I <i>See</i> Proshlyakov N F	
522 Zeidler R <i>See</i> Götz N	Zugravescu I <i>See</i> Carp E	
306	Zwick M M <i>See</i> Bochové C van	
149	Zwicker E F <i>See</i> Grossweiner L I	
60	Zyzka D <i>See</i> Markiewiczowa W	
522		
199		
635		
42		
584		
584		
529		
2, 460		

# Index to Subjects

Vol. 78—1962

To reduce duplication of entries the following system has been adopted—

Acids, Agents, Dyes, Fibres, Oils, etc. are indexed under the qualifying term. For example, Dyes are entered under Acid, Azo, Direct, Disperse, Sulphur, Vat, etc. dyes.

Where an abstract describes a dye by both chemical and application class, e.g. Azo Acid Dye, the full entry is given under the *application* class with a cross-reference from the *chemical* class.

Abstracts dealing with processing, e.g. Bleaching of wool fibres, are indexed fully under the *process* with a cross-reference from the *fibre*.

Synonymous terms, e.g. Nylon and Polyamide, are cross-indexed; the full entry for a particular abstract is given under the term used in that abstract.

Trade names for fibres, dyes, etc. are not cross-indexed with the general class to which they belong.

So many systems are adopted for chemical names in the various journals abstracted that, in order to bring together as many as possible, they have, in general, been indexed under the parent group followed by the substituents arranged alphabetically.

The em rule (—) has been used to indicate the repetition from the preceding entry of all words before a comma. Thus, in

**Dyeing** acrylic fibres, with basic dyes  
— with direct dyes

the rule indicates that "acrylic fibres" is repeated. If no punctuation mark is given the whole entry is repeated. Thus, in

**Dyeing** anodised aluminium  
— and its alloys

the rule indicates that "anodised aluminium" is repeated.

A second em rule indicates repetition of all words up to the second comma, and so on.

Where the index entry differs appreciably from the title of an abstract, the title is given in parentheses after the index entry.

A	PAGE	PAGE	
<b>Abrasion resistance, flex-, of cotton sateen, influence of finish</b>	154, 591	<b>Acrylamide</b> dye intermediates, polymerisable ... ... ... 139	
<b>Abrasive properties of photogravure inks, testing</b>	424	water-soluble polymeric substituted ... ... ... 42	
<b>Absorption</b> (see also Capillary absorption)		<b>Acrylic fibres</b> (see also Antistatic, Dyeing, Polyacrylonitrile)	
and desorption of single ions by keratin fibres, kinetics of	198	— application in hosiery ... ... ... 58	
<b>Accelerotor, testing felting shrinkage with</b>	159	— applying fluorescent brightening agents to ... ... ... 306	
<b>Acedianthrone</b> vat dyes	53	— determination in binary fibre mixtures ... ... ... 367	
<b>Acenaphthene</b> azo dyes	296	— discoloration during hot aqueous treatments, preventing ... 632	
importance in organic dye industry	512	— dyes for ... ... ... 141	
<b>Acetaldehyde</b> , determination of small amounts in mixtures	366	— and films, levelling agents for basic dyes on ... ... ... 135	
<b>Acetic acid</b> , dichloro- or monochloro-, sorption by wool (Communication)	24	— having high affinity for dyes ... ... ... 100	
<b>Acetoacetylated</b> viscose rayon cloth, preparation and dyeing	427	— of increased shrinkability and dyeability ... ... ... 58	
<b>Acetylation</b> of cellulose, investigating by measuring electrical conductivity	425	— notes on identification of ( <i>Correspondence</i> ) ... ... ... 90	
of cotton, dyed with reactive dyes (producing dyed cellulose acetate)	631	— optical microscope studies ... ... ... 250	
— fibrous	57, 100	— production ... ... ... 250	
<b>Acid sorption by wool from mixtures of acids</b> (Communication)	24	finishing agents, reactive ... ... ... 135	
<b>Acid dyes</b> (see also Anionic dyes)		polymers, thermostable, having good dyeing properties ... 579	
aggregated, observations on overdyeing of nylon with (Communication)	315	resins, application and physical-chemical properties ... 633	
anthraquinone	516		
azo, and anthraquinone, containing large alkyl groups, investigation of	628	<b>Acrylonitrile</b> (see also Graft polymerisation, Grafting, Polyacrylonitrile)	
— from benzoheterocyclic compounds	44	polymerisation, by stannous chloride and acriflavine ... 528	
— brown polysulphonamide	510	— by various dyes ... ... ... 588	
— studies on dyeing properties	359	radiation-induced interaction with cyanoethylated cotton ... 64	
disazo, orange and red	50		
— orange and red	47, 191	<b>Adhesion</b> , analysis of film surfaces in study of ... ... ... 158	
from 2-nitro-4-trifluoromethylchlorobenzene, synthesis ...	44	between fibres and rubber, improving ... ... ... 255	
solubilities, activity factors, and adsorption	426	of organic coatings ... ... ... 635	
<b>Acramin</b> dyes for machine prints (FBy) (Pattern Card)	561	of polymers: preparing bonded strips for determining mutual adhesion of elastomers ... ... ... 256	
<b>Acridine</b> (see also Vat dyes)		<b>Adhesive</b> for making bonded-fibre fabrics ... ... ... 136, 184	
Orange bound to polyanions, aggregation	45	<b>Adsorption</b> isotherms of acid azo dyes on nylon 6 ... ... ... 359	
Yellow, photobleaching in presence of vinyl monomers	588	studies: kinetics of dyeing of gelatin and wool ... ... ... 305	
— radiosynthesis	186	<b>Afterchrome</b> dyes, fashion shades with ( <i>Gy</i> ) (Pattern Card)	561
<b>Acriflavine</b> , polymerisation of acrylonitrile by stannous chloride and	528	<b>Ageing</b> anodic layers on aluminium caused by absorption of dye, kinetics of ... ... ... 360	
<b>Acrilan</b> (see Dyeing, Printing)		bleached pulps, peroxide formation during ... ... ... 310	
<b>Acrilan 16</b> (see Bleaching, Dyeing)		hydrated ferric oxide ... ... ... 46	
		<b>Aggregation</b> of Acridine Orange bound to polyanions ... ... ... 45	
		of fluorescent brightening agents on cellulose ... ... ... 358	
		of pigments in enamel, preventing ... ... ... 57	
		<b>Alcian X</b> dyes printed on Bremhol-prepared grounds (ICI) (Pattern Card) ... ... ... 293	
		<b>Aldehyde</b> polymers ... ... ... 206	
		<b>Alginates</b> , use in finishing ... ... ... 184	
		<b>Alizarin</b> lakes, preparation ... ... ... 627	
		<b>Alkali</b> solubility of wool, determination ... ... ... 311	
		<b>Alkali celluloses</b> , spectrophotometric determination in cadoxen ... 312	

PAGE	PAGE	PAGE
Alkyd resin coating composition containing non-leaving		
aluminum	250	465
effect of pigments on structure formation in conc.		
solutions of	145	516
oil-modified, gloss-drying aqueous dispersions of	470	54, 467
from soya bean oil, drying phenomena	206	248
Alumina from bauxite	629	52
chromatographic adsorption of azobenzenes and aromatic		
nitrogen heterocycles on	311	351
monohydrate, fibrous, having boehmite crystal lattice	345	517
ware, decorative, enamel for	197	575
Aluminium (see also Anodising, Coating, Colouring, Dyeing)		
anodised, colouring glass fibres with aid of coating of	151	97, 194, 248
— permanent black on	151	467
— yellow metal-complex monoazo dyes for	48	248
kinetics of ageing of anodic layers on, due to absorption		
of dye	360	138
multicolouring	361	138
non-leaving, alkyd resin coating composition containing	250	138
oxide for brightening paper and rendering it opaque	156	138
paste pigment	354	138
pigmented coatings on	361	138
rendering receptive to printing inks and lacquers	592	138
vapour, coating with	257	138
— deposition on paper, etc.	106	138
American Association of Textile Chemists and Colorists,		
national headquarters	337	436
— Officers 1963	620	254
— 1962 Olney Medallist	506	436
— Research Committee progress reports 259, 260, 311, 480, 501		586
Dyestuff Reporter Award, 1961	37	
Amidrazones, synthesis and coupling to form azo dyes	297	
Amino acids, ninhydrin reaction of	510	
thin-layer chromatography on Kieselgel G	258	
$\alpha$ -Amino acids, reaction with reactive dyes	427	
Aminoanthraquinone derivatives of phthalic acid—red		
pigments	423	296
Aminoplast finish on cellulosic textiles	432	345
precondensates and dyes, derivatives of	353	526
— stable	135	184
reaction mechanisms of condensation of	184	184
resin, setting creases and seams in fabrics treated with	432	309
Aminopyrimidines, reaction with formaldehyde	295	423
Analysis (see also Dye identification; Fibres, identification)		
wet, automatic instruments for	66	586
Anhydrite of improved whiteness from off-white gypsum	518	415
Aniline Black, depolymerisation of cotton on application of	102	
determination on fibre	311	
radiosynthesis	186	
Animal fibres (see Dyeing)		
Anionic dyes (see also Acid dyes)		
improving dyeability of hydrophobic fibres with, epoxide-		
containing condensates for	135	
reaction with basic vinyl compounds	427	
Anodising, aluminium, magnesium, and copper		
dyeing and sealing of aluminium	360	
processes, unusual, and their practical significance	592	
Anthocyanins, further analysis of organic and inorganic		
components in crystalline protocyanin	518	
origin of	513	
Anthracene, 1,2-dimethyl-1,2-dihydro-, spectroscopic identifi-		
cation	258	186
Anthraquinone, 1-amino-2-bromo-4-arylamino-, dyes for		
acrylic fibres	52	146
derivatives, paper chromatography	636	146
1,4-diamino-, azo dyes from	188	146
1,4-diamino-2-nitro- — bluish green disperse dye for		
polyester fibres	468	144
1,4-di(arylamino)-, as vat dyes	248	144
$\alpha$ -dihydroxydiamino-, disperse dyes for polyesters	97	144
1-methyl-, preparation by diene synthesis	298	144
naphthalimidotriazino-, blue vat dye	52	144
nitro-2,3-dihalogeno-1,2,3,4-tetrahydro-, and derived		
mononitroanthraquinones	468	345
sulphonlic acids, reaction with basic dyes	298	188
Azabenzanthrones, 1-substituted-2-keto-3-alkyl-6-alkylamino-		
3-, red dyes		
Azo—azomethine metal-complex dyes for wool		50
compounds (see also Isatin)		
— asymmetric		191
— $\alpha$ -hydroxyazo-, effect of substituents on stability of		
chelates of		627
— metallisable, containing sulphonimide groups		140

	PAGE		PAGE
<b>Azo—continued</b>		<b>Azoic dyes (see also Metal-complex dyes)</b>	
compounds and related compounds, aromatic, absorption spectra	44	black	467
coupling of 2-aminodiphenylene, orientation on	187	on cellulose, insoluble triazenes in production of	629
derivatives, of 8-hydroxyquinoline, mechanism of complex formation between ions of some divalent metals and	346	green and brown, <i>o</i> -aminoazobenzene derivatives and their stabilised diamine compounds for	422
— physico-chemical properties and electron structure	418	— and black, diazo components for	351
<b>Azo dyes (see also Acid dyes, Disperse dyes, Metal-complex dyes, Monoazo dyes, Polyazo dyes, Reactive dyes)</b>		with methyl sulphate groups, dyeing with	359
absorption maxima	94	and monoazo and diazo pigments	574
acenaphthene	296	and pigments, yellow	351, 422
2-aminobenzothiazole	511	for polyester and acrylic fibres	524
amino-group-containing, effect of formaldehyde on, in crease-resist finishing	153	printing with	421
anthraquinone triazine, green, for cellulose	468	with quinoline residue	350
from benzoheterocyclic compounds; acid and metallisable dyes	44	red	151
brown polysulphonamide	510	silicon-containing, dyeing with	569
1:2 Cr and Co complexes of <i>o</i> -hydroxy- <i>o'</i> -carboxyazo series, isomerism of	186	from thionessal and its 1,1-dioxide	466
cupriferous	347	yellow and red	466
1,4-diaminoanthraquinone	188	<b>Azole</b> compounds for protecting polyamide fibres against ultraviolet degradation	147
with 2,5-dichloroaniline-4-sulphonic acid as diazo component	296	<b>Azomethine-azo</b> metal-complex dyes for wool	50
<i>oo'</i> -dihydroxy-, isomeric 1:2 Cr complexes of	462	compounds, luminescence spectra	463
from dihydroxyphenylketones—dye developers	466	dyes (see also Metal-complex dyes)	
evaporation of waste saline solutions from manufacture of 2-halogeno-1-naphthylamine-3-sulphonic acids as intermediates for	344	— <i>o</i> -carboxy- <i>o'</i> -hydroxy-, isomeric 1:2 Cr complexes of	463
heterocyclic, for polyacrylonitrile fibres	419	— chromium-containing	422
<i>o</i> -hydroxy-, for polyester fibres	47	— conditions for formation of leuco bases of (colour developments)	463
insoluble, reserve effects using reducing agents	61	— halogeno-isolindolines as intermediates for	52
metal-containing, water-insoluble, produced on the fibre		— intermediates for: isolindolones	349
metallisable	514, 572	— phosphine-group-containing	298
— from cyanophthalene derivatives	96	— from 2-selenazolylhydrazones	464
organic metal complexes, derivatives of diphenylsulphide and diphenylsulphone	418	— substituted oxindole, colour of	45
paper-electrophoresis (Correspondence)	619	— synthesis by condensation of <i>N</i> -arylquinoline salts with nitroso compounds	512
photographic developers	104	— synthesis of 1- <i>o</i> -tolyl-5,6-benzoquinolinium salts and preparation of	569
polysiloxane	350	— from 1,2,4-thiodiazolyl-(5)-hydrazines and 1-[2,4-thiodiazolyl-(5)-3-alkyl-(5)-pyrazolones	570
preparation by oxidative coupling	44, 187, 297	<b>Azonaphthols</b>	513
from pyrazolol[1,5- <i>a</i> ]pyrimidines	186	<b>Azooquinoline, 6-aryl</b> , disperse dyes based on	569
reactive	299	<b>Azorubine</b> , electrometric titration	207
and reductive cleavage products, electrometric titration—I	207	<b>Azoxyl compounds</b> , mechanism of para-rearrangement and interconversion	44
separation components in synthesis of	186	<b>Azoxybenzenes</b> , substituted, basicities of	346
silane	140	4-substituted, behaviour in strongly acidic solution	346
silicon-containing, intermediates for	191	<b>B</b>	
— triazine, for glass fibres	51	<b>Backfilling of carpets</b>	255
siloxane	141	<b>Bacteria (see also Antibacterial)</b>	
stilbene	568	-proofing agents, trifluoromethylarylsulphonamides as transmission by textiles and clothing, control of	566
with sulphone groups	96	<b>Bactericidal compositions</b> , hide-soaking	528
sulphonic acid reduction products, identification of (Communication)	280	— fungicidal properties, of hydrazones	295
synthesis of 1- <i>o</i> -tolyl-5,6-benzoquinolinium salts and preparation of	569	— synthetic resin having	478
for synthetic polymers	627	<b>Bacteriostatic</b> hose material	431
with thiocyanate radicals	296	thermoplastics	655
triazinyl	96	<b>Ballpoint pen inks</b> , basic dyes of perylene series in	353
triazole, formation of	346	— black solvent dye for	353
<b>Azo</b> sulphones, effect of components on thermal stability	44	<b>Barium</b> metaborate pigments	99
<b>Azobenzene</b> , amino-, derivatives as diazo components	187, 422	sulphate, quantitative estimation in white pigments	207
<i>p</i> -amino-, and derivatives, determination of content of tautomer ions in	588	<b>Barré</b> defects in rayon dyeing, textile lubricant preventing	461
and benzylideneaniline derivatives, microstructure and spectra	187	<b>Basacryl</b> dyes, dyeing polyacrylonitrile fibres with (BASF) (Pattern Card)	180
<i>pp</i> '-bisdimethylamino-, structure of azonium cation of...	418	<b>Basic dyes (see also Cationic dyes)</b>	
bromomethyl-, synthesis and spectra	244	acryl fibres and films, levelling agents for	135
carboxylic acids, methylazobenzene carboxylic acids, and their ethyl esters, synthesis and spectra	346	anthraquinone, for acrylic fibres	248
chromatographic adsorption on alumina	311	diazopolymethine	142
<i>p</i> -dimethylamino-, protonation of azo group in <i>p</i> '- or <i>m</i> -substituted derivatives of	418	metal-complex monoazo	140
substituted, absorption spectra	44	monoacryl, for acrylic fibres	48
<b>Azoic blacks</b> for cellulosic fibres	574	— from 2-aminobenzothiazoles	421
compositions, stabilised	574	— from 5-aminopyrazoles	299
dyeing, of acrylic fibre	252	— and diazo	102, 350
— bis- <i>p</i> -hydroxyphenylalkenes as coupling components in	251	of perylene series	353
— fifty years of	187	for polyacrylonitrile	351, 422
dyings and prints, metallised	201	reaction of anthraquinone sulphonic acids with	298
		triphenylmethane, mechanism of decomposition in water	419
		— sulphonated, rate of protolysis	138
		— violet, and blue	97
		— from phenyl-1,2-dithiolium salts	570
		<b>Basopal</b> NA conc. Powder (BASF) (Pattern Card)	292
		<b>Bating</b>	206
		<b>Benzacridone</b> dyes (see Vat dyes)	

PAGE	PAGE	PAGE		
467	Benzanilide derivatives, relation between structure and properties ...	297	Bleaching— <i>continued</i>	
629	Benzanilis, absorption spectra ...	44	cotton with tetrachloromalonamides ...	199
422	Benzanthrone ( <i>see also</i> Azabenanthrones, Vat dyes)		and desizing textiles, enzymatic ...	148
351	heterocyclic dyes and pigments for mass coloration derived from ...	352	dressed fur skins ...	358
427	Benzdithiophium salts and dyes ...	576	fabric, plant for ...	41
574	Benzeneazo- $\beta$ -diketones, condensation with phenylhydrazine ...	186	furs, natural-coloured, catalysis of ...	581
51, 422	Benzene, dihydroxy-, spot tests for ...	434	hair, amino-1,3,5-triazine perhydrates as oxidising agents in ...	474
359	p-distyryl, u.v. spectra and photoisomerisation ...	345	history of ...	260
524	Benzidine dyes, unsymmetrical and symmetrical, absorption spectra ...	186	intensity and fibre decomposition in simple and multilayer fabrics ...	580
421	rearrangement, Hückel molecular orbital computations to describe ...	296	introductory paper on ...	580
350	and semidine rearrangements, mechanism of ...	367, 368	linen cloth continuously ...	631
151	Benzimidazoles, benzothiazolyl-, synthesis ...	512	linen yarn, use of chlorine dioxide in ...	58
569	Benz Cuprol (Benzole Fast Copper) Dark Blue GTL (FB) (Pattern Card) ...	292	with monoperacetic acid ...	632
466	(Benzole Copper) Navy Blue MP (FB) (Pattern Card) ...	40	permonosulphite, controlling manganese ion impurities in ...	521
147	Benzonaphthofuranone derivatives, structure and properties ...	43	— in presence of manganese ...	472
50	Benzophenone, Werner complexes of $\alpha$ -hydroxyl-substituted, as u.v. radiation absorbers ...	345	— preventing discolouration in ...	243
463	Benzopurpurin 4B and 10B, spectrophotometric study ...	568	nylon with peracetic acid ...	243
463	absorption spectrum and aggregation ...	158	peroxide ...	580
52	Benzopyran derivatives: 3'-methyl-spiro-(2H-1- $\beta$ -naphtho-pyran-2,2'-[2'H-1'-benzopyran]) ...	302	— of groundwood pulp ...	304
349	1,4-Benzozquinone dyes, synthesis: sulphurated ring closure of arylaminated chloranil to form dithiazine dyes ...	188	— metal phthalocyanines as catalysts of ...	426
298	$\rho$ -Benzozquinones, substituted, infrared spectra ...	258	polyalkylene ethers ...	521
45	Benzothiazole, 2-amino, azo dyes derived from ...	421, 511	polytetrafluoroethylene filaments ...	358
512	aryl-, synthesis and conversion into thiancarbocyanines ...	298	pulp, with chlorine dioxide, reactions taking place in ...	631
569	ketones of, synthesis and reactions ...	511	— mechanism of ...	364, 432, 520
298	2-methyl-, cyanine dyes from quaternary salts of ...	298	— softwood and hardwood, comparison of ...	65
570	2-methyloxazolo-(5,4- $\beta$ )-, dyes from ...	298	synthetic-polymer fibres ...	358
513	Benzotriazoles, isomeric 2-methylthiazolo- ...	512	— containing manganese, with chlorite ...	199
569	Benzoxazolinone, 5,6-dichloro-2-, colorimetric determination in leathers ...	260	textile fibres (CIBA) (Pattern Card) ...	459
207	— as leather fungicide ...	266	titanium dioxide, hydrous ...	518
44	Benzylation of cellulose, strong rot-resistant fibres produced by Benzylideneaniline and azobenzene derivatives, microstructure and spectra ...	187	Verel copolymer fibre ...	582
346	Benzold-Brücke phenomenon ...	108	viscose rayon, open-width continuous, plant for ...	357
346	Binding agent for dye pastes, Ekra ...	244	wool, with hydrogen peroxide ...	148
255	Biological attack, proofing fibrous materials against ...	205	— new developments in ...	471
99	Bismuth oxychloride, nacreous, of good fastness to light ...	145	— peroxide, control in (determination of tryptophan in wool) ...	435
207	Blankets ( <i>see</i> Sterilisation)		Blending coloured fibres, two problems associated with (Communication) ...	27
566	Bleach process, silver-dye, supersensitised photographic layers for ...	152	Blends ( <i>see</i> Flbre blends, Fibre mixtures, Scouring and dyeing)	
368	Bleaching ( <i>see also</i> Scouring and bleaching)		Bobbin for yarn packages to be dyed ...	416
528	acid peroxide, advantages and disadvantages ...	520	Boiler scale, preventing formation of ...	508
295	— present state of development ...	520	Bonded-fibre fabrics ( <i>see also</i> Non-woven fabrics) ...	155
478	acidified chloride, effect of polyamines ...	581	adhesive for making ...	136, 184
431	Acilan 16—cotton blends ...	581	flame-resistant ...	64
635	agents, chloroisocyanic acids as ...	585	of polyvinyl alcohol fibres ...	155
353	— perbenzoic acid ...	585	polyvinyl alcohol fibres in, rendering fast to chlorine ...	155
353	— solid organic $NN'$ -dichlorobenzoyleneureas ...	585	Bonding cellulosic fibres, epoxy resin adhesives for ...	566
99	washing machine with temperature-controlled feed of baths, peroxide, silicic esters as stabilisers in ...	585	fillers to thermosetting resins ...	635
207	caroate, a salt of monoperoxyx sulphuric acid, use in ...	585	manufacture of fabrics by ...	198
461	cellulose with alkali-metal chlorites ...	585	pigments to textiles, epoxide-containing condensates for ...	135
180	cellulose pulp ...	585	rayon to rubber ...	586
135	— with alkaline hypochlorite, catalyst for ...	585	thermoplastic foam to cloth, foils, etc. ...	586
248	cellulosic fabrics ...	585	Book Reviews ( <i>see</i> Reviews of Books) ...	241, 458
142	— continuous ...	585	Books received ...	
140	— with peroxide ...	585	Brenthol-prepared grounds, Alcian X dyes printed on (ICI) (Pattern Card) ...	293
48	chlorine, of cellulose, nylon, and polyester fibres in acid solution ...	585	Brightening paper and rendering it opaque with aluminium oxide ...	156
421	chlorite ...	520	Brightness of paper and paperboard, measuring ...	636
299	— continuous ...	520	Brilliant Green, influence of ionic strength on rate of alkaline fading in ...	187
92, 350	— organic acids and esters as activators in ...	585	— mechanism of decomposition in water ...	419
353	— organic phosphates as activators in ...	585	Wool Blue 8G (Gy) (Pattern Card) ...	181
151, 422	— photochemistry of sodium chloride in solution, with reference to (Communication) ...	80	Wool Green FB (Gy) (Pattern Card) ...	181
298	coir ...	426	British Technology Index ...	237
419	compositions, percompounds of acylation products of phosphorous acid in ...	626	Browning and yellowing of silk, colorimetric study ...	435
138	cotton ...	426	Brushing, wet, of woven asbestos fabric ...	477
97	— chlorite ...	357, 580	Bulked nylon yarn, effect of tension, twist, and heat-setting temperature on dyeability ...	102
570	— effect of pH in ...	199	yarns and fabrics, cotton ...	430
292	— comparison of different methods ...	199	Burnish Gold containing gold primary mercaptans ...	470
206	— fabrics, sized ...	471	Butter, detection of added dyes in ...	470
			C	
			Cadmium, dyed chromate conversion coating on ...	252
			— mercury sulphide pigments ...	630
			— salts, reaction with sodium sulphide ...	628
			Calaroc T: fastness of dyed cotton materials after crease-resist finishing (ICI) (Pattern Card) ...	563

PAGE	PAGE
<b>Calcium</b> and polyphosphates, adsorption on cotton cellulose and its effect on soil deposition ... ... ... ... ... 59	<b>Carotene</b> crystals, changes in purity during storage ... ... ... ... ... 139
<b>Calcium carbonate</b> ... ... ... ... ... 196, 629	polarisation of electronic transitions of ... ... ... ... ... 139
continuous production of high-solids, low-viscosity slurries of ... ... ... ... ... 635	<b><math>\beta</math>-Carotene</b> ... ... ... ... ... 518
of fine and uniform particle size ... ... ... ... ... 249	<b>Carotenoid</b> pigments, paper chromatography ... ... ... ... ... 589
precipitated ... ... ... ... ... 518	preparations for colouring foods ... ... ... ... ... 196
silicate, flaked ... ... ... ... ... 249	<b>Carotenoids</b> , dichroism of absorption bands of ... ... ... ... ... 139
<b>Caledon</b> dyestuffs: Abbott-Cox method for vat-dyeing viscose rayon ( <i>ICI</i> ) ( <i>Pattern Card</i> ) ... ... ... ... ... 293	of marigold flowers ... ... ... ... ... 189
<b>QF Caledon</b> Printing Yellow GW ( <i>ICI</i> ) ( <i>Pattern Card</i> ) ... ... ... ... ... 562	from organophosphorus compounds ... ... ... ... ... 299
<b>SQ Caledon</b> Grains: FDN Caledon Grains ( <i>ICI</i> ) ( <i>Pattern Card</i> ) ... ... ... ... ... 563	production ... ... ... ... ... 518
<b>Calenders</b> ... ... ... ... ... 461	and related compounds: structures of capsanthin and capsorubin ... ... ... ... ... 46
and bowls, embossing ... ... ... ... ... 41	<b>Carpet</b> trade, scouring and dyeing blends for ( <i>Lecture</i> ) ... ... ... ... ... 15
drive for ... ... ... ... ... 41	yarns, rayon-containing, improving handle of ... ... ... ... ... 586
embossing ... ... ... ... ... 183	— wool, dyes for ( <i>Gy</i> ) ( <i>Pattern Card</i> ) ... ... ... ... ... 460
four-roll ... ... ... ... ... 183	— wool-nylon, dyes for ( <i>Gy</i> ) ( <i>Pattern Card</i> ) ... ... ... ... ... 459
pressure rollers for ... ... ... ... ... 344	<b>Carpets</b> ( <i>see also</i> Backfilling, Drying, Pile fabrics) ... ... ... ... ... 65
<b>Calico</b> printing, early history ... ... ... ... ... 428	<b>Carrier</b> action, mechanism in dyeing of polyester fibres with
machine, back grey for ... ... ... ... ... 62	disperse dyes ... ... ... ... ... 201, 350, 428
<b>Canvas</b> ( <i>see</i> Proofing)	for disperse dyeing ... ... ... ... ... 428
<b>Capillary</b> absorption in fibrous textile wicking ... ... ... ... ... 100	dyeing, contribution to mechanism of ... ... ... ... ... 60
<b>Capron</b> ( <i>see also</i> Mass coloration)	<b>Carrotting</b> agents, effect on rate of felting of wool ... ... ... ... ... 254
fibres, investigation of secondary structures formed in ... ... ... ... ... 250	<b>Cast</b> pearl plastics, coloured ... ... ... ... ... 529
— reaction of dichlorotriazine reactive dyes with ... ... ... ... ... 473	<b>Cationic</b> chemicals, use in paint industry ... ... ... ... ... 135
<b>Capsanthin</b> and capsorubin, structures ... ... ... ... ... 46	dispersions, stable ... ... ... ... ... 509
<b>Capsicum</b> ( <i>see</i> Chili)	dyes ( <i>see also</i> Basic dyes)
<b>Capsules</b> , colour-forming, minute ... ... ... ... ... 578	— effects of amines on dyeing of acrylonitrile copolymers
<b>Carbamate</b> finish for crease-resistant and wash-and-wear cottons ... ... ... ... ... 308	with ... ... ... ... ... 428
<b>Carbamol</b> Ts.E.M., effect of light, etc. on viscose rayon fabrics finished with ... ... ... ... ... 633	— monozo ... ... ... ... ... 465
<b>Carbazole</b> polyazo dyes, synthesis ... ... ... ... ... 137	— solvent dyes from salts of ... ... ... ... ... 142
triphenylmethane dyes ... ... ... ... ... 419	<b>Celliton</b> Fast Rubine GF4B ( <i>BASF</i> ) ( <i>Pattern Card</i> ) ... ... ... ... ... 561
<b>Carbindone</b> Black BN ( <i>ICI</i> ) ( <i>Pattern Card</i> ) ... ... ... ... ... 181	<b>Cellulose</b> ( <i>see also</i> Acetylation, Bleaching, Cotton, Cross-linking, Dyeing, Finishing, Modifying, Oxidation, Phosphorylation, Printing, Resin finishing, Rotproofing, Stabilisation)
<b>Carbocyanine</b> bases and dyes, diazo-dyes, azamerodi- ... ... ... ... ... 193	alkali-solubility ... ... ... ... ... 260
— <i>meso</i> -substituted ... ... ... ... ... 142	— attacking microbes, earth-rotting trials to measure preservative treatments against ... ... ... ... ... 259
non-symmetrical, synthesis from aryl-lepidine salts ... ... ... ... ... 570	benzylated, strong rot-resistant fibres of ... ... ... ... ... 363
<b>Carbon</b> , brilliant Yellow 4GN ( <i>ICI</i> ) ( <i>Pattern Card</i> ) ... ... ... ... ... 40	carboxyl groups in, estimation ... ... ... ... ... 590
<b>Carbon</b> , rapid micro determination ... ... ... ... ... 433	and chitin, esters, ethers and reactivity of ... ... ... ... ... 156
paper, coating for ... ... ... ... ... 65	determination in textile fibres ... ... ... ... ... 258
three-linked ... ... ... ... ... 621	esterified carboxyl and metal carboxylate salt groups in, behaviour with Crystal Violet Base ... ... ... ... ... 425
— type copying paper having plastic basis ... ... ... ... ... 104	fibres ( <i>see also</i> Bonding, Drying, Grafting, Soil-resistant)
<b>Carbon black</b> ( <i>see also</i> Channel Black, Dispersing, Furnace black, Oil black, Oxidation, Pelleting) ... ... ... ... ... 99, 294, 577, 629	— heat stability, raising ... ... ... ... ... 153
aftertreatment to improve performance in ink and rubber ... ... ... ... ... 249	— interaction with direct dyes, effect of primary alcohol groups ( <i>Correspondence</i> ) ... ... ... ... ... 233
analysis of colouring with ... ... ... ... ... 200	— perfluoroalkanoyl esters ... ... ... ... ... 205
apparatus for making ... ... ... ... ... 507	— polymerisation of vinyl monomers in ... ... ... ... ... 308
— from any type of hydrocarbon ... ... ... ... ... 564	— protecting against climatic influences ... ... ... ... ... 476
coating composition containing ... ... ... ... ... 356	— reactive dyes on, identification of ( <i>Ident. Dyes Ctee. Paper</i> ) ... ... ... ... ... 122
compression by processing <i>in vacuo</i> ... ... ... ... ... 190	— relation between surface-charge density and dyeing conditions ... ... ... ... ... 472
densification, chemical nature of ... ... ... ... ... 628	— structural studies by iodine sorption ... ... ... ... ... 57
dispersing in polyethylene (dispersing pigment in plastic material) ... ... ... ... ... 257	flame-resistant chemically modified ... ... ... ... ... 363, 634
effect of free radicals on ... ... ... ... ... 66	fluorescent brightening agents, application to ... ... ... ... ... 359
effect on kinetics of vulcanisation and character of sulphur structures in vulcanisates ... ... ... ... ... 256	for high-resistance rayon, characteristics ... ... ... ... ... 587
of fine particle size ... ... ... ... ... 354	introduction of 6,6'-disulphide cross-links into ... ... ... ... ... 308
improved furnace for manufacture of ... ... ... ... ... 93	microcrystalline ... ... ... ... ... 630
of low oil absorption ... ... ... ... ... 145	moisture relations ... ... ... ... ... 520, 579
maintaining quality of ... ... ... ... ... 196	occlusion after pretreatment in liquid ammonia ... ... ... ... ... 206
oil-pelleted ... ... ... ... ... 577	periodic-acid-oxidised, action of semicarbazide and thiosemicarbazide on ... ... ... ... ... 527
oxidised, adsorptive properties ... ... ... ... ... 245	polyhydroxy compounds on, thin-layer chromatography of ... ... ... ... ... 588
plant ... ... ... ... ... 182	Procion-dyed, abnormal viscosity in cuprammonium hydroxide ( <i>Communication</i> ) ... ... ... ... ... 552
— and process ... ... ... ... ... 354	protecting against degradation by u.v. radiation ... ... ... ... ... 254
production ... ... ... ... ... 56, 424	pulp ( <i>see</i> Bleaching)
quenching effluent smoke in production of ... ... ... ... ... 564	reactive dyeings and prints on, aftertreatment ... ... ... ... ... 150, 306
reactor, control for ... ... ... ... ... 591	regenerated ( <i>see also</i> Rayon)
separating grit from ... ... ... ... ... 93	— absorption spectra of dyed films of ... ... ... ... ... 158
slurries ... ... ... ... ... 196	— autoradiographic determination of distribution of urea-formaldehyde resins in filaments of ( <i>Communication</i> ) ... ... ... ... ... 451
suspensions in water and in rubbery polymers ... ... ... ... ... 629	— coloured, transparent, shrinkable, non-fibrous bands of ... ... ... ... ... 587
<b>YBVS</b> ( <i>ICI</i> ) ( <i>Pattern Card</i> ) ... ... ... ... ... 92	— incorporating synthetic resins in ... ... ... ... ... 100
<b>Carbonates</b> , alkaline-earth-metal ... ... ... ... ... 249	solution in cadmium-ethylenediamine complex ... ... ... ... ... 65
<b>Carbonising</b> wool, critical study of ... ... ... ... ... 580	specific volume and transition temperature ... ... ... ... ... 520
<b>Carbonyl</b> groups in cellulose, estimation ... ... ... ... ... 590	
<b>Carboxymethylation</b> of polyvinyl alcohol—V, VI ... ... ... ... ... 66	
<b>Carboxymethylcellulose</b> ( <i>see also</i> Grafting)	
effect of temperature on viscosity and on degree of polymerisation ... ... ... ... ... 477	

PAGE		PAGE	PAGE	
139	<b>Cellulose</b> —continued	586	<b>Chlorazol Black E</b> as fibril stain	159
139	stable to discoloration by light and heat ...	310	Durazol, and Chlorazol Diazol dyes on cotton (ICI) ( <i>Pattern Card</i> )	562
518	sulphite wood, activation by surfactants ...	586	<b>Chlorine</b> -fastness, imparting to polyvinyl alcohol fibres in bonded-fibre fabrics	155
589	viscometric and microscopic investigations, new results from ...	589	—resistance of wash-and-wear finishes	204
196	water absorption at very low humidities ...	579	retained, testing damage due to	260
139			—retention of fabrics treated with dimethylolethylene urea	153
180	<b>Cellulose acetate</b> ( <i>see also</i> Dyeing, Mass coloration, Modifying)	527	<b>Chlorine dioxide</b> , use in yarn bleaching ...	58
299	draw threads, removing from resin-treated nylon lace ...	200	<b>Chlorophyll</b> , evidence for exchangeable hydrogen in metallic complexes from ...	95
518	light fastness of disperse dyes in ...	357	pigments, paper chromatography ...	189
46	pigment-delustrated ...	63	<b>Chlorophylls</b> , biosynthesis ...	589
15	producing dyed polymer and fibres of ...	521	<b>Chlorous acid</b> , action on hydrocellulose ...	46
586	selection of compatible dye formulas for ...	465	<b>Chromaticity</b> , visual comparison with new photometer ...	310
460	soluble dyes for ...	351	<b>Chromatographic</b> adsorption of azobenzenes and aromatic nitrogen heterocycles on alumina	311
459	water-soluble phosphorus-containing anthraquinone dyes for ...	364	data ...	67
65	<b>Cellulose carboxymethyl</b> ethers, manufacture ...	432	<b>Chromatography</b> , paper, bibliography of	506
9, 423	<b>Cellulose derivatives</b> , flame-resistant ...	432	— of water-insoluble dyes ( <i>Communication</i> )	326
428	that do not exhibit after-glow ...	519	thin-layer, preparative ...	589
60			— for textile assistants and dyes ...	207
254	<b>Cellulose esters</b> ( <i>see also</i> Dimensional stabilisation, Flame- proofing, Printing, Saponifying)	519	— weight-area relationship in ...	366
529	dyeability of fibres or articles of, improving ...	631	<b>Chrome</b> Azurol S, dissociation constants ...	463
135	and ether compositions, powdered, for application by fusion ...	519	blacks fast to potting (Diadem Chrome Blacks) ( <i>LBH</i> ) ( <i>Pattern Card</i> )	460
509			— complex fractions, separation and estimation ...	434
428	<b>Cellulose ethers</b> ( <i>see</i> Dimensional stabilisation)	425	dyes, applied to wool by afterchrome process, fashion shades with (FBy) ( <i>Pattern Card</i> )	561
465	<b>Cellulose phenyl thiourethane</b> , preparation and properties of blends with cellulose ...	425	— observations on dyeing worsted pieces with ( <i>Communication</i> )	487
142			— relation between structure and effect on wool fibre properties in dyeing ( <i>Communication</i> )	487
561	<b>Cellulose triacetate</b> ( <i>see also</i> Dyeing, Dyeing and finishing, Mass coloration, Printing, Stabilising, Stiffening)	147	— Salicine Chrome and Metachrome dyes (FH) ( <i>Pattern Card</i> )	561
	fibres ( <i>see also</i> Delustrating)	634	— mordant dyes, phenanthrene ...	419
	— effect of radial heterogeneity on properties ...	147	<b>Chromium</b> complexes, cationic, determination of change on determination, in chrome liquors by $\beta$ -ray reflection ...	258
	— safe-ironing temperature, raising ...	634	— in leather ...	368
	Serial dyes on (YDC) ( <i>Pattern Card</i> )	182	salts, improving resistance of wool to moisture and microbiological action with ...	64
			in tannery material, estimation ...	532
260	<b>Cellulosic</b> fabrics ( <i>see also</i> Bleaching, Crease-resistant, Dimensional stabilisation, Dyeing and finishing, Scouring, Smooth-drying, Water-repellent)	309, 431	<b>Chromone</b> 2-carboxylic acid derivatives, colour of ...	296
259	— flat-drying ...	364	<b>Chromophores</b> , organic compounds containing, improvements in preparation of ...	514
363	— resistance to wet creasing (modifying properties of hydroxylic fibrous materials) ...	312	<b>Chrysophenine G</b> , absorption spectra of dye mixtures containing ...	568
590	— tone-in-tone effects with reactive dyes on ...	148	<b>C.I. Acid Orange 20</b> , identification and determination ...	589
156	— wash-fast finish produced by carboxylated resin on ...	156	<b>C.I. Azoic Coupling Component 7</b> , stable solutions of ...	351
258	fibres ( <i>see</i> Cellulose fibres)	525	<b>C.I. Mordant Blue 1</b> , spectrophotometric determination of magnesium with ...	434
	materials ( <i>see also</i> Dyeing, Dyeing or printing, Flame- resistant, Minimum-Iron, Oil-repellent, Water- repellent)	364	<b>C.I. Van Green 2</b> , properties of suspensions and pastes containing	512
	— catalytic deposition and grafting of olefin polymers into ...	312	<b>C.I. 27290</b> , dipotassium salt ...	351
	— peroxide in, spectrophotometric estimation ...	147	<b>Ciba Review</b> No. 1961/4, 1961/5, 1961/6 ( <i>CIBA</i> ) ( <i>Pattern Card</i> )	180
	— reaction with Cibacron dyes, catalysis of ...	432	<b>Cibacet Orange 3RL</b> ( <i>CIBA</i> ) ( <i>Pattern Card</i> )	459
	— rendering non-adherent ...	148	<b>Cibacron dyes</b> , application, use of catalyst in ...	148, 582, 632
	— wet strength, improving ...	156	— dyeing cotton sewing threads with ...	521
	phosphonomethyl ether fibres ...	527	— fixing, new methods of ...	358
	textiles ( <i>see also</i> Colouring, Crease recovery, Dimensional stabilisation, Dyeing, Dyeing and finishing, Modifi- cation, Resin finish, Rotproofing)	199	— infrared fixation ...	102
153	— alkal-soluble, new methods for preparation ...	364	— printing with ...	202
233	— aminoplast finish on ...	312	<b>Cibacron Scarlet RP</b> ( <i>CIBA</i> ) ( <i>Pattern Card</i> )	180
205	— chemically modified partial ethers and esters of ...	147	<b>Cibalan Olive 3BL</b> ( <i>CIBA</i> ) ( <i>Pattern Card</i> )	459
308	— converting into cellulose derivative textiles ...	432	<b>Cibantone dyes</b> , pad-dyeing cellulose materials with ...	427
476	— imparting wool-like properties to ...	154	<b>Cibaphosol</b> process, application of concervate systems to wool dyeing ...	60
	— treating with cross-linking agents or resin precursors in presence of acid catalyst ...	205	— new possibilities for ...	102
122		106	<b>CIE</b> distribution coefficients, calculation at chosen wavelengths ...	530
	<b>Cement</b> ( <i>see</i> Asbestos-cement)		<b>Cirrasol GM</b> ( <i>ICI</i> ) ( <i>Pattern Card</i> ) ...	293
	<b>Ceramic</b> body stains, iron oxide-silicon ...	577	<b>City and Guilds</b> of London Institute, Director of ...	456
206	— pigments and stains ...	630	<b>Cleaning</b> textiles, continuous wet- and dry- ...	148
	<b>Ceramics</b> , pigments for ...	465	<b>Cloth</b> ( <i>see also</i> Bonding, Coating, Diazo-type coatings, Dyeing, Fabric, Gaseous treatments, Printing, Stretching, Wet processing)	
	transfers for application to ...	152	— moving, apparatus for viewing both sides of ...	312
	yellow pigments for ...	99, 424	<b>Coated</b> fabrics, foam-backed and ( <i>Lecture</i> ) ...	542
588	<b>Channel Black</b> ...	249	— methods of test ...	108
	— oxidation in aqueous medium ...	245	— permeable to air ...	636
552	<b>Charge</b> transfer in organic solids, induced by light ...	43	paper ...	528
254			sheet material, embossed ...	477
	<b>Chelates</b> ( <i>see also</i> Complexes)		yarns, application of flock to ...	106
150, 306	of <i>o</i> -hydroxyazo compounds, effect of substituents on stability ...	627		
158	<b>Chemical</b> constitution, application of refractive index in study of ...	436		
	industry, European, the six and future of ...	38		
451	<b>Chilli</b> , detection of oil-soluble coal-tar dyes in ...	207		
587	<b>Chitin</b> and cellulose, esters, ethers and reactivity of ...	156		
100	<b>Chlorantine</b> Fast Grey AVLL ( <i>CIBA</i> ) ( <i>Pattern Card</i> ) ...	180		
65	Fast Scarlet 2GLL ( <i>CAC</i> ) ( <i>Pattern Card</i> ) ...	561		
520				

	PAGE
<b>Coating agents, fluorocarbon acrylamides</b>	243
with aluminium vapour	257
anodised aluminium with organopolysiloxanes	68
apparatus	508
chemical conversion, of aluminium and its alloys	524
cloth, paper, etc., apparatus for	417, 565
dyed chromate conversion, on zinc or cadmium	252
fabric, with flock	586
— with polyurethane composition	309
filaments electrostatically	106
films of Japanese lac, properties	256
in fluidised beds	107, 147
glass beads for reflex reflectors	57
glass-fibre blanket (coating a fibrous base)	344
metal with polyvinyl chloride	205
metallic, of thermoplastic particles	303
paper	527
— on both sides	41
— pigments of fine particle size for	587
papermaking and similar fibres	310
polyvinyl plastics with metal	479
for printed paper	310
and printing with pigmented cationic polymers	146
prints obtained with ink	152
properties of maleic resins, influence of methods of preparation on	588
and/or smoothing filaments and yarns	294
substrates with powders	160
with thermoplasts by fluidised-bed sintering	630
web, apparatus for	565
— moving	93
— with wax	344
<b>Coatings (see also Polyurethane, Silicone)</b>	
analysis	480
clear, evaluating changes on exposure (improved spectrophotometric measurement)	160
diazotype, on lacquered cloth	362
dried, analysis of	435
flame-sprayed chlorinated polyethylene	424
foamed or porous	100
metal, lacquered	355
multilayered, applying by fluidised bed	579
organic, adhesion of	635
— drier catalyst activity of 1,10-phenanthroline in	365
pigmented, on aluminium	361
— organic, effect of ultraviolet radiation in high vacuum on	630
protective	56
role of pigments in	630
— use with molecular sieves	366
quick-setting protein-containing	528
solid-aqueous interface in relation to surface, thermoplastic epoxy polymer	519
textile (FBy) (Pattern Card)	92
textured, leather-like	243
urethane, survey of	355
<b>Coating composition, alkyl resin, containing non-leaving</b>	
aluminium	250
cellulose ester and ether	519
glass transition in	365
ink-receptive, for application to impermeable plastics	520
ink-transfer	56
multi-colour	146
— suspension of liquid coating component in nitro-methane	355
nitrocellulose, polymethyl methacrylate and carbon black	356
pigmented, for paper	527
polyurethane	99
polyvinyl acetate	136
<b>Cobalt, amperometric determination as tungstate</b>	366
<b>Coir (see Bleaching)</b>	
<b>Collagen (see also Tropocollagen)</b>	
birefringence, effect of tanning agents	433
dissolved, thermal stability	635
fibril, new form	433
— tubular structure	529
interaction with aromatic sulphonate acids	433
interaction with dialdehyde starch	156
native, action of trypsin and pepsin on	432
solubilised, preparation and properties	529
structure	635
<b>Colorant, on fibre, identification of application class of (Ident. Dyes Clte. Paper)...</b>	125
— Correction	235
radiochemical synthesis	185, 186
<b>Colorimeter, physical, direct-reading</b>	530
use of monochromatic filters in	531
<b>Colorimetric measurements, value of (Colour and the dyer)</b>	159
<b>Colorimetry, use of templates in</b>	530
variability of spectral tristimulus values	208
<b>Colour (see also Metamerism)</b>	
absorption spectrum, and chemical structure of pigments, limits of correlation	296
charts, Japanese	531
and constitution, applications of Forster's Rule in	94
— of pigments	296
— of products of Janowski reaction	567
counter-polarised systems and: IV—Reflectance spectra of the derivatives of <i>N</i> -[ <i>β</i> -(2,4-dinitrophenyl)-ethyl]-aniline	136
daylight fluorescence, measurement of	530
deficiency, unilateral, congenital and acquired	68
density of materials, automatically measuring	160
development	463
difference meter, Hunter, for precision and accuracy	531
differences, instrument for measuring	592
— small, computation and control	531
— and tolerances of monochromatic filters, dependence on wavelength and background and use in colorimeters	531
-discrimination data, Brown and Brown-MacAdam, analysis of	531
effect, three-dimensional, on woven fabric	363
fastness, to atmospheric contaminants, measuring	260
— determination (ICI) (Pattern Card)	562, 563
— development of grey scale for evaluation of	367
— German standards as part of ISO recommendations	590
— tests	531
— of textiles, determination	160, 415
of fluid bath, monitoring	532
and form in nature	108
-forming capsules, minute	578
matching, monocular and binocular, comparison	250
— multivariable statistical techniques used in	590
— problem of illumination in (Lecture)	261
— in tannery	368
measurement, Bausch and Lomb Spectronic 505 for	530
— conference on	530
— geometry of	530
— instrumental, introduction to (Lecture)	442
— its possibilities for colourist (Lecture)	437
— practical method of	531
— on small areas, visual device for	530
— Spectromat for	159
— spectrophotometer-integrator systems, glass filters for checking performance of	590
— mixture data, analysis (variability of spectral tristimulus values)	531
— mixture functions, field trials	259
— physical approximation	531
physics, Bezdol-Brücke phenomenon	108
present state of science of	530
producing from acetyl hydrazine compositions	139
reactions, chemistry: Zimmermann reaction	244
sensation, vector model for...	531
separation records, with improved colour values in multicolour reproduction	633
— producing and reproducing	152
standard, difficulties in providing (Colour and the dyer)	159
system, Lovibond, ideal	591
— natural	531
— Swedish PM (practical method of colour measurement)	531
temperature diagram	108
vision (see also Vision)	
— of anomalous trichromats, chromatic Stiles-Crawford effect in	591
— waveguides and receptor mechanism in	68
<b>Colour couplers, 2-(<i>o</i>-acetamido-<i>β</i>-phenylethyl)-1-hydroxy-naphthamide</b>	514
amide	246
containing long-chain alkylaminoisophthalic ester groups	514
cyan-forming	190

AGE	PAGE	PAGE
<b>Colour couplers—continued</b>		
125	for magenta dye images, 1-phenylpyrazolone derivatives	
235	as ...	349
186	substituted acrylamide	95
530	two-equivalent	628
531	yellow-coloured magenta-forming	246, 571
<b>Colour films (see also Printing)</b>		
530	equivalent dyes for, with incorporated coloured couplers	61
208	<b>Colour fixers</b> , gravimetric analysis	479
Colour formers for yellow dyes	349	
296	<b>Colour photographic developer</b> , stabilised	62
531	<b>Colour photographs</b>	62
94	dyes for sensitising zinc oxide photoconductive layers	
567	used in making	196
296	free from secondary images	105
160	preventing fading of	253
463	by silver-dye bleaching process	104, 525
136	<b>Colour photography</b>	525
530	anthraquinone dye-developers for	301
68	colour formers for yellow dyes in	349
160	by diffusion-transfer reversal process	362
463	reducing fog and giving high colour density in	202, 203
531	<b>Colour-proofing film</b>	105
592	<b>Coloured fibres (see Blending)</b>	
531	images, multi-, duplicate copies of	525
	sheeting or film	156
<b>Colouring (see also Dyeing, Printing)</b>		
531	anodised aluminium with inorganic pigments	60
363	cellulosic textiles	60
531	cloth, paper, etc. uniformly or in continuous stripes	564
363	and finishing surfaces	104
260	glass blue or pink with cobalt pigments of spinel type	60
563	glass fibres containing effect and non-effect yarns	524
367	glass fibres with aid of coating of anodised aluminium	151
590	monochlorotrifluoroethylene, masterbatch for	479
531	oily media, use of water-soluble certified dyes in	428
415	1-olefin polymers	524
532	petrol, stabilised diazo dye compositions for	573
108	polyester resins (ICI) (Pattern Card)	564
578	polyesters	310
259	polyurethane foams	310
590	process, interdependent phenomena	200
261	solid pharmaceutical tablets, pills, etc.	368
368	surface granules	312
530	textiles	306
530	vinyl aromatic polymers	310
530	viscose, aqueous dispersion of pigments for	470
442	— with carbon black	200
437	wool, silk and other nitrogenous fibres without use of dyes	360
<b>Complexes (see also Chelates, Metal-complex)</b>		
530	cobalt-nitro-thiocyanate, separation and estimation of extractability by dichloroethane	434
159	coloured, of tetrahydrohydroxyaminofuranones with metals in trace analysis	158
590	copper, of direct dyes on cellulose fibres	627
531	formation between ions of divalent metals and azo derivatives of 8-hydroxyquinoline	346
259	of $\alpha$ -hydroxy- $\alpha'$ -carboxyazo series, isomeric 1:2 Cr- and Co-	186
108	use of computer for solution of problems of	479
139	<b>Complexing agents</b> ; synthesis of cyclic analogues of nitrilotriacetic and ethylenediaminetetra-acetic acids	295
244	<b>Compressive shrinking</b> , printing, etc. machines, replacing	
531	endless flexible blankets in	41
633	of tubular fabric	205
152	<b>Computer</b> , use for solution of problems in complex chemistry	479
159	<b>Conditioning (see also Drying)</b>	
591	dioxazine pigments	353
531	machine	134
531	organic pigments	145
108	<b>Congo Red</b> , absorption spectrum and aggregation	158
	spectrophotometric study	568
	variation of dichroic constant of fibres dyed with	473
591	<b>Conjugate systems</b> , alternant	345
68	<b>Cop-dyeing machines</b>	134
514	<b>Copper (see also Anodising)</b>	
246	benz-sazaphthalocyanine	139
514	8-quinalinolate, errors in estimation in mildewproofed	
190	fabric	
	in textiles, microdetermination, comparison of methods	311
	<b>Copy sheets, heat-sensitive</b>	202
<b>Copying</b> compositions, thermographic, cyclohexane and cyclohexadiene derivatives for		152
	hectographic	152
	paper (see also Hectographic)	
	— carbon-type, having a plastic basis	104
	— non-staining triphenylmethane pigments for use on	516
	— stabilising zinc ferricyanide in	202
	— thermographic	62
	reflex, diazotype material for use in	253
<b>Corrosion (see also Anticorrosive)</b>		
	protection, pigments in	56
	<b>Cosmetics</b> , diaoxazine dyes for	143
	<b>Cotolan dyes (FBY) (Pattern Card)</b>	561
	Fast Grey LG (FBY) (Pattern Card)	92
	Fast L dyes (FBY) (Pattern Card)	561
	— use in union dyeing	201
<b>Cotton (see also Acetylation, Bleaching, Crease-resist treatment, Cross-linking, Dyeing, Dyeing and finishing, Dyeing or printing, Finishing, Flame-retardant, Mercerisation, Oxidation, Resin-free finishing, Resin-finishing, Rot-proofing, Scouring and bleaching, Smooth-drying, Wash-and-wear, Weathering)</b>		
	adsorption of sodium dodecylbenzene sulphonate, influence of calcium on	251
	amidomethylol finishes on, effect of substituent groups on acid hydrolysis	430
	analysis of mixtures with other cellulosic fibres	367
	cellulose, graft polymers with acrylonitrile	154
	— oxidation in presence of direct dyes	57
	— reactions with difunctional epoxides	63
	cyanoethylated, radiation-induced interaction of acrylonitrile with	64
	damage, testing by reaction with 2-thiobarbituric acid	208
	depolymerisation on application of Aniline Black	102
	diaaldehyde-, crease-recovery properties	63
	etherified (see Cross-linking)	
	fabrics (see also Crease-recovery, Dimensional stabilisation, Printing)	
	— acetylated, influence of alkali pretreatment on properties	100
	— influence of rate of acetylation on properties	100
	— aliphatic esters of, preparation and evaluation	525
	— chemically modified, estimated costs and in-service evaluations	429
	— crease recovery, effect of periodic acid on	63
	— effect of relative humidity	430
	— effects of application of rubber and resin latices	475
	— fluorescently brightened yellowing of	59
	— resin-treated, effect of tension on properties	430
	fibres and fabrics, determination of trace metals in	589
	fluorochemical finishes, oil- and water-repellent, for formaldehyde-treated, extent of hydrolysis	431
	immature, dyeing properties	591
	mercerised, hot alkali treatment of hydrocellulose from	521
	microscopic structure, determination of	631
	modified alkali-soluble	367
	pieces, dyed, kind of neps in	147
	— polyester fibre mixtures, properties of fabrics from	305
	reaction with 2-thiobarbituric acid	476
	resin-treated, action of hypochlorite on	208
	— behaviour towards caustic soda solution	106
	— effect of silicone softeners	304
	satene, flex-abrasion resistance, influence of surface finish	203
	soil deposition on, effect of adsorption of calcium and polyphosphates	591
	Soledon dyes on (ICI) (Pattern Card)	460
	stretch and bulked yarns and fabrics	480
	swollen, curing at high temperature	430
	tensile strength, effect of periodate oxidation and borohydride reduction	250
	yarns, mechanical properties, effect of chemical degradation	57
	<b>Coupling</b> of azo compounds with isatin derivatives	347
	components, bis- <i>p</i> -hydroxyphenylalkanes, in azoic dyeing	251
	— diazotype	47
	— by interaction of 3-aminocarbazole and $\beta$ -hydroxy-naphthoic acid	244
	2,4-dioxothiazolidine with aromatic diazo compounds	297
	influence of alkalinity and metal ions on	347
	<b>Courtelle (see Dyeing)</b>	
	<b>Cover</b> of synthetic-polymer-fibre fabrics, improving	477

	PAGE	PAGE	
<b>Crease-proofing</b> effects, relation of some fabric properties to	253	<b>Cross-linking—continued</b>	
<b>Crease recovery</b> agents, dihydrazide-formaldehyde		cotton yarn and fabric properties and processing	
condensates as	135	performance resulting from	585
of cellulosic yarns and fabrics, improving	526	and grafting (irradiation of natural and synthetic	
finishes, on cotton, chemical bonding and reaction rates	430	polymers)	529
— dialdehyde starch-melamine derivatives for	185	producing flat-drying cellulosic fabrics by	309
— melamine and triazinone resin precondensates as	185	proteins by tanning	433
Linra sun-ray test for	259	reactions in finishing treatments	152
measurement (fundamental aspects of fabric creasing)	308	and swelling of sulphonated polystyrene resins	157
of modified rayon and cotton fabrics, effect of relative		Teflon 100 FEP-fluorocarbon resin by radiation	529
humidity	430		
of polyvinyl alcohol fibres	254	<b>Cross-links</b> , disulphide and methylene sulphide, in poly-	
properties, of cellulosic textiles, improving	526	caprolactam fibres, determination of	590
— imparting to cellulosic textiles	154	6,6'-disulphide, introduction into cellulose	308
— imparting to cotton fabrics, use of co-reactant curing		nature, effect on cotton fabric properties	303
agents with diepoxy in	153	<b>Crylory</b> acrylic fibres, application in hosiery	58
— imparting to polyolefin-fibre fabrics	527	<b>Cryptometer</b> , Pfund black and white, precision of	159
resilience, and mildew-resistance, imparting to cellulosic		<b>Crystal Violet</b> Base, reaction with esterified carboxyl and metal	
fibre		carboxylate salt groups in cellulose	425
of synthetic-fibre fabrics, effect of temperature	432	biphenyl analogue, steric effects in	45
and tear strength, effect of yarn twist and fabric cover	254	mechanism of decomposition in water	419
factor on		reaction between chloramill and <i>NN</i> -dimethylaniline to yield	420
tester, SRRL, further automation		<b>Crystalline</b> state in polymers, morphology of	587
testing, comparison of methods for		<b>Cuprammonium</b> hydroxide, abnormal viscosity of Procion-	
<b>Crease-resist</b> agents for cotton, dihydroxyethyleneureas as		dyed cellulose in ( <i>Communication</i> )	552
— statistical techniques for laboratory evaluation		<b>Cuprofix</b> Green C-GBL (S) ( <i>Pattern Card</i> )	92
finishing, chemical agents for		<b>Curcumin</b> , water-soluble salts of, as food dyes	249
— with dimethylolurea, mechanism of		<b>Curtaining</b> , dyeing or printing double cloths for	150
— effect of formaldehyde on azo dyes containing amino		<b>Cyanine dyes</b> ( <i>see also</i> Carbocyanine dyes, Imidocarbocyanine,	
groups in	153	Merocyanine dyes, Methine dyes, Phosphocyanine dyes,	
— of viscose rayon staple fabrics, improving	431	Quinocyanine)	208, 574
— of woven cotton fabric	476	benzidylidium	576
-treated cotton fabrics, testing (evaluating resin-finished		branched, synthesis (vinylene reactions of heterocyclic	
fabric)	480	enamines)	420
treatment, of cotton with APN	633	from 1-p-chlorophenyl-5,6-benzoquinolinaline salts	512
— historical survey of development	203	with fluorine in the polymethine chain	244
— and water-repellent treatment of cotton with di-		hydrogen bonding and solvatochromism	298
methylolethyleneurea-polysiloxane emulsion	526	<i>N</i> -( <i>p</i> -hydroxyphenyl)-6-hydroxy- <i>p</i> ipidine iodide and	
<b>Crease resistance</b> of chemically modified cotton fabric,		derivatives, synthesis	464
mechanism of (analytical problems associated with		from isomeric <i>N</i> -arylquinolinaline salts	512
chemical modification of fibres)	368	meso-substituted	347
and crease recovery, assessment	312	from 2-methylacaphenotho-(1,2-d)thiazole	569
dry, imparting to cotton treated in swollen state with		from 2-methylbenzodiazines	512
formaldehyde	362	from 4-methylquinolines	45
<b>Crease-resistant</b> ( <i>see also</i> Self-smoothing, Smooth-drying,		with photosensitive properties	467
Wash-and-wear)		for polyacrylonitrile	467
finish on cellulosic fabrics	63	from pyrazolo[1,5- <i>a</i> ]-pyrimidines	186
and muss-resistant finish for cotton using formic acid		for sensitising zinc oxide photoconductive layers	196
colloid of methylolmelamine	307	silver bromide sensitised by, nature of light-induced	
and wash-and-wear cotton, carbamate finish for	308	EPR signal in	592
<b>Crease-retaining</b> garments, press-free	155	symmetrical monomethine	247
<b>Crease-shedding</b> finish	363	undissociated	351
<b>Crease tester</b> , Celanese, standards for assessing fabrics creased		with unsaturated substituents: carbocyanines and mer-	
in dry state by		ocyanines containing phenylacetylenyl groups	298
<b>Creases</b> ( <i>see also</i> Setting)		— 6-styryl-thiamerocyanines and rhodacyanines sub-	
durable, and crease resistance, production in wool fabrics	308	stituted in polymethylene chain	244
<b>Creasing</b> of fabrics, assessment	259	<b>Cyanine</b> Fast Yellow P (LHB) ( <i>Pattern Card</i> )	460
— fundamental aspects of	308	<b>Cyanines</b> ( <i>see also</i> Anthocyanins, Dimerocyanines, Imidocyanines,	
<b>Crimped</b> composite fibres of synthetic polymers	471	Merocyanines, Monomethinecyanines, Thiazolocyanines)	
<b>Crimping</b> jute fibres by treatment with solutions of sodium		azanomonmethine-, fluorescent brightening agents	423
hydroxide	585	4,4'-diarylthiazolo-, steric hindrance in molecules of	244
nylon 6 by chemical method	38	2,4-diphenyl-5,6,7,8-tetrahydrobenzopyrrolo-	138
polyvinyl alcohol by twisting	425	formation from amide chlorides	45
<b>Crockatt A J</b> ( <i>Obituary notice</i> )	290	unsymmetrical, from thiazoles and thiadiazoles	420
<b>Cropping</b> and brushing machines	565	<b>Cyanuric</b> acid, reactions with $\alpha$ -oxides	418
machine, brushing device for use with	134	<b>Cyclisation</b> of polyalkyl- <i>o</i> -benzoylbenzoic acids	420
<b>Cross-linking</b> cellulose (chemically modified partial ethers)	154	<b>Cyclohexane</b> and cyclohexadiene derivatives in thermographic	
— and derivatives: IV—Action of hydrazine on toluene-		copying compositions and in impact printing	152
<i>p</i> -sulphonates of di- <i>O</i> -isopropylidene- <i>D</i> -galactose and		<b>D</b>	
<i>D</i> -fructose			
— V—Stability of some <i>N</i> -substituted $\beta$ -amino-		<b>Dacron</b> ( <i>see</i> Dyeing)	
butyric acids and esters		<b>Dahlia</b> , chromatographic fractions	138
— with polyfunctional sulphones under anhydrous		<b>D&amp;C</b> Yellow No. 10	297
conditions		<b>Decomposition</b> of Saran, thermal, formation of microporous	
— unambiguous, new approach to		structure during	478
cellulosic fibres with aid of ionising radiation		<b>Decorative</b> plastic sheets	588
cotton, with dimethylolurea and alkaline catalyst		plastic surface covering and linoleum	311
— etherified, with dimethylol ethyleneurea		<b>De-emulsifying</b> effect of surface-active agents	134
— with formaldehyde in calcium chloride solutions		<b>Degradation</b> , chemical, effect on mechanical properties of	
— with gaseous formaldehyde		cotton yarns—dependence on twist	57
— resistance to hydrolysis of finishes		of fibres by light, preventing	520
		of silk, methods of identifying different types of	480
		of viscose rayon, effect of sunlight on	100

Degum  
Dehyd  
DelustDensity  
Deodor  
Derman  
Desizir  
Desorp  
Deterg  
Deterg  
Deterg  
DetergDeterg  
Diadem  
Diadem  
Dialde  
Dialde4,4'-Di  
Diaryl  
Diaryl  
Diazap  
DiazocDiazoa  
DiazonDiazop  
DiazotDiazot  
DiazotDiazot  
Diazot

Dibenz

PAGE	PAGE		
<b>Degumming</b> agents, sucrose esters of fatty acids	295	<b>Dibromoanthrone</b> pigments, improving light fastness of	575
<b>Dehydration</b> of animal skins	635	<b>Dichroic</b> constant of fibres dyed with Congo Red, variation of	473
<b>Delustring</b> cellulose triacetate fibres	527	<b>Dichroism</b> of absorption bands of carotenoids	139
polyamide fabrics	153	<b>Dieldrin</b> in wool, colorimetric determination	589
polyethylene terephthalate film	66	<b>Diffusion coefficients</b> , optical method for determination of	257
synthetic-polymer-fibre yarns mechanically	205	<b>Digitctrine</b> , new flavone from leaves of <i>Digitalis purpurea</i> L.	420
textiles (e.g. nylon)	65	<b>Dihydroquinacridones</b> , linear	517
<b>Density</b> of fibrous materials, measurement gasometrically	108	<b>Dimensional stabilisation</b> of cellulose ester and ether textiles	477
<b>Deodorants</b> for textile finishing	566	of cellulosic fabrics with 2,6-dioxaspiro(3,3)heptane	309
<b>Dermatitis</b> , industrial	338	of cellulosic textiles	154, 431, 526
<b>Desizing</b> , application of enzymes in ( <i>Lecture</i> )	533	of cotton fabrics, looped	154
and bleaching textiles, enzymatic	148	of felt-backed surface coverings	363
effect on properties of fabrics	250	of knitted cellulosic-fibre fabrics	204
enzymic, of overdried cotton warps	58	of textiles	134
glass-fibre fabrics	59	of wool fabrics	477
processes	58		
<b>Desorption</b> of reactive dyes	510	<b>Dimerocyanines</b> , derivatives of imidazolidinone(4), absorption spectra	187
<b>Detergence</b> , mechanism of	148	<b>Dinatin</b> —yellow pigment from leaves of <i>Digitalis lanata</i> EHRR	513
<b>Detergency</b> studies using radioactive tracer	426	<b>Dioxazine</b> disperse dyes giving fast dyeings and prints	98
<b>Detergent</b> compositions, percompounds of acylation products of phosphorous acid in	626	dye, orange, for mass coloration of cellulose acetate	301
— for wool scouring	42	dyes and pigments	55, 143
for heavy-duty use	42	pigments ( <i>see also Conditioning</i> )	575
literature, critical survey	311	— readily dispersed	143
non-ionic	295	<b>Diphenylamine</b> , mechanism of reaction with fructose	95
— urea-containing	243	<b>Diphenylmethane</b> , $\alpha$ -amino-4,4'-bis(dimethylamino)- and $\alpha$ -amino-4-dimethylamino-, colour of nitroacetyl derivatives of	346
opaque liquid, of macaceous appearance	42	dyes, electronic spectra	138
powder for dry-cleaning fibres, skins, furs, etc.	243	<b>Direct dyes</b> , absorption by cellulosic fibres, influence of air on	59
—softener composition for textiles	462	on cellulose, improving wet fastness of	523
solutions, solubilisation of hydrocarbons in, effect of lyophilic colloids on	101	copper complexes on, on cellulose fibres	627
<b>Detergents</b> ( <i>see also</i> Foam, Sodium laurate)		diffusion in cellulose fibres, influence of electrolytes	581
anionic, effect on skin	243	disazo, blue and violet copperable	192
containing anti-redeposition agent	243	— derivatives of 2,5-diphenyl-1,3,4-oxadiazole	297
and emulsifying agents, glucose ureide esters as	42	— and polyazo metalisable	193
hydrazinium salts for	145	dyeing cellulose fibres with, effect of hydrophilic organic solvents on	521
non-ionic and anionic, adsorption kinetics	184	fixing agents for	509
pyrazoline fluorescent brightening agents for use in	144	grey copper-complex trisazo	51
solid, containing substituted perbenzoic acid	184	interaction with cellulosic fibres, effect of primary alcohol groups ( <i>Correspondence</i> )	233
solubilising ability, effect of phosphates on	135	metal-complex disazo, blue	350
study of adsorption at a solution-air interface	199	— and polyazo	573
substituted polyacrylamides as soil-suspending agents in	42	metal-complex tris- and poly-azo	466
sugar esters	509	methyol-group-containing	515
<b>Diadem</b> Chrome Black PL Super (LBB) ( <i>Pattern Card</i> )	460	monoazo, red	572
Chrome Blacks (LBB) ( <i>Pattern Card</i> )	460	— yellow	572
<b>Dialdehyde starch</b> , interaction with collagen	156	oxidation of cotton cellulose in presence of	57
—melamine derivatives	185	preparing stable pastes of	244
pretanning agent for vegetable-tanned sole leather	587	solubilities, activity factors and adsorption	426
tanning properties	364	solutions, zeta potential of fibres in	305
<b>4,4'-Diamino-1,1'-dianthraquinonyl</b> —red pigment	195	for staple viscose rayon: fastness to chlorinated water ( <i>ICI</i> ) ( <i>Pattern Card</i> )	562
<b>Diarylmethane</b> dyes, soft-grain	193	with sulphonic acid and methylol groups	515
steric effects in	45	thermal stability of aqueous solutions of	44
<b>Diazopolymethine</b> dyes, basic	142	trisazo	97
<b>Diazo</b> components in azo dyeing, aminonaphthalene derivatives in	187	— copperable	247
compounds ( <i>see also</i> Coupling)		wet-fastness of dyeings of, improving	473
— and azo compounds, aromatic	346, 347	zeta potential of fibres in	472
— heterocyclic—2-diazopyrroles	462	<b>Disazo dyes</b> ( <i>see also</i> Acid dyes, Basic dyes, Direct dyes, Disperse dyes, Metal-complex dyes, Monoazo dyes, Reactive dyes)	
<b>Diazoamino</b> compounds synthesised using proline, 5-sulphophthalantronic acid, and phenylglycine as stabilisers	347	colour changes in acid solutions, mechanism of	418
<b>Diazonium</b> compounds	297	compositions, stabilised, for colouring petrol	573
salts, polysubstituted aromatic, analysis of	589	from diamines, affinity of	626
—reaction with mono- and di-hydroxyphenylalkylamines	419	from 4,4'-diamino derivatives of phenylacetanilide and <i>N</i> -benzylbenzamide	297
—reaction with nucleophiles: formation of diazo-sulphones and application of linear free energy equations to diazonium salt reactions	137	insoluble	247
<b>Diazopyrazoles</b> , preparation and reactions	419	and monoazo dyes, water-insoluble	51
<b>Diazotisation</b> of aniline in methanolic HCl, kinetics and mechanism	187	for polyolefins	97, 350, 466, 573
of aromatic amines in acetic, saturated carboxylic, and hydroxy-carboxylic acids	207	spectrophotometric study	568
kinetics and mechanism: chloride-ion catalysis of diazotisation of aniline in methanol	419	symmetrical diphenylalkane, substantive properties	568
<b>Diazotype</b> coatings on lacquered cloth	362	from 2,3,3-trimethylindolenone	418
coupling components	47	and trisazo dyes for polyolefins	422
material	253	<b>Disazo pigments</b>	421
— one-component	429	and monoazo pigments and azoic dyes	574
papers (zirconia sizing of paper)	527	<b>Discoloration</b> ( <i>see also</i> Yellowing)	
process	361	in polymers, inhibiting development of	66
— <i>p</i> -quinonediazide sulphonic acids and derivatives as light-sensitive substances in	139	thermal, of nitrile polymers	425
<b>Dibenzanthrone</b> ( <i>see</i> Reactive dyes, Vat dyes)			

PAGE	PAGE		
<b>Disperse dyes</b> , 5-acylamino-1,9-isothiazoleanthrone	517	<b>Dope</b> , producing coloured sheeting or film from	156
acylated $\alpha\beta$ -dihydroxydiaminoanthraquinone	97	<b>Draping</b> qualities of textiles, improving	134
1-amino-2-cyano-4-alkylaminoanthraquinone, for poly-		<b>Drimarene</b> Bordeaux Z-BL, for continuous dyeing of cellulosic	
ester fibres	352	fibres (S) ( <i>Pattern Card</i> )	92
anthrapyrone	570	— to print on cellulosic fibres (S) ( <i>Pattern Card</i> )	92
anthraquinone	52, 194, 575, 629	Navy Z-2RL, for continuous dyeing of cellulosic fibres	
— blue	247, 352, 516	(S) ( <i>Pattern Card</i> )	92
— and perylene tetracarboxylic acid di-imide, and pig-		— for printing on cellulosic fibres (S) ( <i>Pattern Card</i> )	93
ments containing a triazine residue	468	reactive dyes, development	299
— for polyesters	247	Z dyes, continuous and semi-continuous dyeing with	472
— triazinyl	468	— pad-batch process (S) ( <i>Pattern Card</i> )	92
arylaminonitrodihydroxyanthraquinone, blue	352	<b>Dry-cleaning</b> fastness of dyedings and prints, determination	590
6-aryloquinoline	569	fibres, skins, furs, etc., detergent powder for	243
azo, containing sulphonyl groups	572	goods to be given a water-repellent finish...	358
— from sulphur-containing benzoheterocyclic rings	186	plants, distilling cleaning solvents in	242
— having two dissimilar reactive groups	574	— precautions against solvent risks	287
benzothiazolylazobenzene	423	and sizing of fabrics	521
1,4-diamino-2-nitroanthraquinone— bluish green dye		solvent, automatically controlling water in	41
for polyester fibres	468	— containing halogenoalkylidiphenyl oxide sulphonates...	472
dioxazine, giving fast dyeings and prints	98	— recovery of	472
disazo, fast to light and sublimation	573	textiles or furs	200
— for polyesters	51	washing, and re-impregnating silicone-treated fabrics	101
— yellow and orange	192	waterproofing with solvents after	585
dyeing conditions and saturation values on polyester fibres	149	and water-repellent finishing	148
dyeing with, carrier for	428	<b>Dryer</b> , drum, for tubular-knit fabrics	134
heterocyclic methine	142	sieve-drum	242, 461
hydroxyanthraquinone	301	<b>Drying</b> (see also Heat treatment)	
levelling on polyester fibres ( <i>Correction</i> )	201	carpets and other textile webs	508
light fastness in cellulose acetates and polyesters...	200	cellulosic fibres, recrystallisation phenomena in	198
monoazo	48, 140, 349	coated webs	41
— from 2-aminothiazoles	141	and conditioning tubular-knit fabric and other webs	41
— from 5-aminopyrazoles	299	drum, of tow	242
— red and yellow	246	drums, steam-heated	93
naphthylene-arylimidazole peridicarboxylic and		fluidised-bed, of fabrics	525
naphthaloperinone-13,14-dicarboxylic	142	hot-air, of fabric, especially napped material	344
new, for dyeing and printing polyester fibres (S) ( <i>Pattern</i>		machine	134
<i>Card</i> )	564	— cylinder	508
paper chromatography	636	more accurate calculation of thermal data for	62
2,3-phthalopyrrocoline	575	multicylinder, high-efficiency hoods in	294, 633
pink, 1-amino-2-halogenophenoxy-4-hydroxyanthra-		paper	242
quines	516	photographic papers to give high gloss	106
for polyester fibres	140, 564, 576	preboarding, setting, lofting, and similar treatments with	
— yellow	422, 466	steam or hot air	93
reactive monoazo, having halogenoacyl groups	48	rapid, influence of steam content of drying medium in...	253
— for nylon	49	textiles, symposium on	584
and related compounds, chromatographic behaviour		thermodynamics of	63
(Communication)	496	thick textiles, movement of vapour and moisture during	
thermal stability and wool reserve: two important		falling-rate period of	525
criteria in dyeing of polyester fibres	60	warps in open width	344
1,3,5-triazenylamino, for nylon	195	wool, use of unheated air in	63
<b>Dispersing agents</b> , for inorganic pigments		<b>Duplicate</b> copies of multicolour images	525
— for pigments, organo-zirconium compounds as	510	<b>Duplicating</b> ink, water-base stencil	198
— for use in high-temperature dyeing of polyester fibre	522	media using resin-type ink	198
carbon black in liquids, apparatus for	134	<b>Duranol</b> Brilliant Orange TG (ICI) ( <i>Pattern Card</i> )	40
micronised pigments by high-speed stirring	354	Brilliant Red T2B (ICI) ( <i>Pattern Card</i> )	562
pigments	514	Brilliant Yellow T4G (ICI) ( <i>Pattern Card</i> )	40
— in enamel and prevention of agglomeration	57	Brilliant Yellow TR (ICI) ( <i>Pattern Card</i> )	40
— in high-speed impeller mixers: energy inputs	354	Grey TW (ICI) ( <i>Pattern Card</i> )	293
— in plastic material	257	<b>Durazol</b> , Chlorazol, and Chlorazol Diazo dyes on cotton (ICI) ( <i>Pattern Card</i> )	562
polymers in organic liquids...	94	<b>Dye</b> absorption on cellulose and oxidised cellulose, spectrophotometric study	159
properties of surfactants used in dyeing, estimating	479	affinity of hydrophobic fibres, improving with epoxide-	
<b>Dispersions</b> (see also Stabilising)		— containing condensates	135
aqueous, apparatus for applying two or more layers		chemistry, recent developments in...	566
simultaneously to moving web	134	developers, azo dyes from dihydroxyphenylketones	466
— of self-cross-linking copolymers for use in pigment		fixation in a fluidised bed: II— Cellulosic materials	59
printing or dyeing of textiles ...	524	— fixing agents, aminoalkyl silicon	151
<b>Dispersol</b> Fast Red T (ICI) ( <i>Pattern Card</i> )	562	ideal, optimal colour path as concentration series of	101
Fast Rubine BT (ICI) ( <i>Pattern Card</i> )	40	identification (see also Reactive dyes)	
Fast Scarlet T (ICI) ( <i>Pattern Card</i> )	562	— of application class on fibre ( <i>Ident. Dyes Ctr. Paper</i> )	125
Fast Yellow T (ICI) ( <i>Pattern Card</i> )	40	industry, British, reminiscences of early ( <i>Lecture</i> )	313
Fawn TW; Green TW (ICI) ( <i>Pattern Card</i> )	293	intermediates	94
PR emulsifying agent (ICI) ( <i>Pattern Card</i> )	293	— acyclic hydrazinium chlorides, for solvent dyes and	
<b>Distemper</b> , powdered	303	— pigments	135
<b>Dithiazine</b> dyes, sulphurated ring closure of arylaminated		— aminophosphoric or thiophosphoric esters and amides	190
chloranil to form	188	— determination of purity of	529
<b>1,2-Dithiolium</b> cation: condensation of phenyl-1,2-dithiolium		— 1,4-diaminoanthraquinone-2,3-dinitrile	571
salt with tertiary aromatic amines	570	— furan derivatives	518
<b>1,3-Dithiolium</b> salts: a new pseudoaromatic cation	527	— heterocyclic	349
<b>Doctor</b> blades used with engraved printing rollers, improved		— hydroxyketones as	95, 345
mounting for	134	— polymerisable acrylamido	139
<b>Donnan</b> distribution of ions between wool and aqueous			
solutions, new approach to	305		

GE	PAGE	PAGE	
156			
134			
<b>Dye—continued</b>		<b>Dyeing—continued</b>	
intermediates, polymerisable heterocyclic	574	aluminium, and its alloys	361
— pyrazolo[1,5a]pyrimidines as	186, 626	— anodised, from solvent solution	151
— separation by paper electrophoresis	366	animal fibres, mechanism of	102
— 1,3,4-thiadiazoles	518	assistants, non-ionic surfactants as	201
— thiophen derivatives as	98	— phenylphenol, in disperse dyeing of polyester fibres	151
jig	41	azo, estimating initial naphthol concentration in	479
-polymer reaction products	516	beam, of fabrics at high temperatures	201
salts with quaternary ammonium compounds	144	blends (see Fibre blends, Fibre mixtures)	
sensitised photopolymerisation of vinyl monomers	528, 588	cellulose, in presence of aminoplast-forming compounds	523
solutions, preparation for transmission measurements	636	— with reactive dyes	251, 427, 523
technology, review of (dyes for the textile industry)	349	— with water-soluble vat dyes	583
<b>Dyes (see also Grinding, Hair dyes)</b>		— with vat dyes	473
absorption spectra, steric effects and auxochromic effects		cellulose acetate, with disperse dyes, action of surface-	
on complex formation	568	active agents in	632
acenaphthene, importance in production of	512	— and man-made fibres, use of nitrodiphenylamine	
affinity of substrates for, aminoalkyl silicon compounds		derivatives in	632
for increasing	151	cellulose triacetate	474
and aminoplast precondensates, derivatives of	353	— with 1:2 Cr or Co complexes of monoazo dyes free from	
aqueous solubility, determination (ICI) ( <i>Pattern Card</i> )	563	sulphonium groups	150
azine, indamine and oxazine, zone electrophoresis in		— hot vapour treatment in	523
ethanol buffer solutions	366	— producing fast heavy dyeings of good fastness and	
benzonaphthofuranone, for man-made fibres	43	raising safe-ironing temperature	252
containing biphenyl nucleus, effect of steric factors on		cellulosic fabric with Procion dyes	521
properties of: X—Absorption maxima of some azo		cellulosic fibres	473
dyes	94	— with azoic dyes	583
containing carboxylic acid groups	577	— with direct dyes, effect of hydrophilic organic solvents	521
chemical constitution and dyeing properties (monoazo		— with Remazol dyes (FB) ( <i>Pattern Card</i> )	561
dyes in vinylon)	149	— vat, at high temperature	581
from chlorophenylsuccinic acid	511	cellulosic materials, with leuco esters of vat dyes by	
determination chlorametrically	158	padding	427
developments in	358	— tightly or densely constructed, with reactive dyes	150
and dyeing in the Confederacy	480	cellulosic-polyester mixture fabrics with Polyestren dyes	
effect on opacity of papers	106	by Thermosol process	149
electrochromism of	346	cellulosic textiles	201
furan-ring-containing	346	circular-knitted fabrics with vat dyes	581
hydrazinium salts for	145	cloth, paper, etc. uniformly or in continuous stripes	564
interaction with fibres, spectrophotometric quantitative		cotton, in blends with Dacron, aspects of	582
calculation	101	— with direct dyes, influence of air	59
ionisation constants, determination of	311	— with Indigosol 04B and Indigosol Grey S	427
for mass coloration of synthetic polymers	140	— sewing threads with Cibacron dyes	521
with monohalogeno-nitropyrimidine rings	302	— and viscose staple yarn on packages with solubilised	
from $\alpha$ - and $p$ -nitrophenylsuccinic acid	511	vat dyes	59
organic, correlation of $\pi$ -electrons in	43	— yarn on beams	581
— optical sensitisation and electric and photoelectric		Courteille for knitwear trade (Gy) ( <i>Pattern Card</i> )	293
properties	346	ester fibres, reflections on	582
— photoelectric studies	346	fabrics continuously (continuous treatment)	182
photosensitised oxidation of phenol by	45	gelatin, kinetics of	305
propionyl	300	glass fabric with silicon-containing azoic dyes	151
radiochemical synthesis	185, 186	glass-fibre yarn	361
reserving textile fibres to	305	hair, amino-1,3,5-triazine perhydrides as oxidising agents	
sensitisation of photoconductivity by	160	in	474
sublimed, absorption spectra of films of	45	— basic-dye compositions for	103
synthesis, use of pyrazolo[1,5a]pyrimidines in	186, 626	— with Lawsons and other hydroxynaphthoquinones	306
synthetic, recent progress in	94	— oxidation bases for	196, 303
with thiazolobenzimidazole and thiazolobenzotriazole		high-temperature, of roped fabric (wet processing of	
rings	512	textiles)	508
thin-layer chromatography	207	— of synthetic-fibre fabrics, new advances in machinery	
— on cellulose films	435	for	507
water-insoluble, paper chromatography ( <i>Communication</i> )	326	hose, automatically, machine for	416
water-soluble, review of methods of purifying and		hosiery, automatic machine for	294
analysing	568	with hydrazine derivatives of tetra-aza-porphyrins	522
— with unsaturated carboxylic acid residues	190	hydrophobic fibres	202
world production figures 1960	559	jig, adaptation for synthetic-fibre fabrics	102
<b>Dyeability</b> of synthetic polymers, cross-linked <i>N</i> -vinyl-3-		— estimating hydrosulphite concentration during	472
morpholine copolymers for improving	580	jute rags	632
<b>Dyebath</b> pH, antimony electrode for remote control of...	150	leather, azoic	61
suitable for household use (solid vat dye composition)	523	— electrostatic	131
<b>Dyed fibres</b> , resistance to light, effect of concentration of dye and		— especially chrome leather, side effects during	103
fixing agent on	200	— with Procion dyes	522
<b>Dyehouse</b> costs, spotlight on	305	linen yarn with vat dyes by acid leuco method	632
<b>Dyeing</b> (see also Azoic dyeing, Carrier dyeing)		machines (see also Cop-dyeing)	508
Acrylan, with selected Astrazon, Astra, acid, and after-		— automation in	564
chroming dyestuffs (FB) ( <i>Pattern Card</i> )	92	— beam, horizontal	625
— Acrylan 16 and blends	473	— for fabric, continuous	182
Acrylan 16-cotton blends	581	— hank	41, 182, 242, 625
acrylic fibres, with azoic dyes	359	— atomiser sleeve for	41
— with basic dyes	252	— pressure	183
— basified, with disperse reactive dyes	428	— Standfast continuous-, development and evolutionary	
— conditions of development in azoic dyeing	252	trends	632
— natural fibre mixtures	582	— winding and unwinding cloth in, maintaining constant	
aluminium	360	tension during	508

Dyeing— <i>continued</i>	PAGE	Dyeing— <i>continued</i>	PAGE
mechanical, in laboratory, new developments in...	358	support for packages of yarn during...	182
mohair pile astrakhans for embossing ...	306	surgical gut ...	564
nitrogenous fibres ...	103	synthetic-polymer fibres with solubilised vat dyes ...	428
— with 1:2-metal complexes of azo dyes ...	474	synthetic-polymer filaments black...	360
— with premetallised dyes having amino group <i>ortho</i> to azo group ...	583	union materials, new developments ...	201
— with reactive dyes ...	60, 523	vat ...	202
— with sulphonated copper phthalocyanines ...	306	— of cotton yarn packages, practical aspects ( <i>Lecture</i> ) ...	393
Nitron, preparation for ...	59	— fundamentals and practical aspects ...	581
— pretreated with hydrogen peroxide ...	359	Verel copolymer fibre ...	582
nylon, with 1:2 metal-monoazo dye complexes ...	150	Vinylon, effects of univalent inorganic anions ...	522
— observations on overdyeing with aggregated acid dyes ( <i>Communication</i> ) ...	315	viscose rayon, vat-, by Abbott-Cox process ( <i>ICI</i> ) ( <i>Pattern Card</i> ) ...	293
— stockings, continuously ...	359	wool ...	103
— machine for ...	416	— accelerated ...	201
Orlon acrylic tow continuously ...	148	— black, sulphamic acid as assistant in ...	428
pad-batch, causes of tailing in ...	305	— with chromium-complex dyes, non-ionic surfactants as dyeing assistants in ...	201
— with reactive dyes ...	581	— Cibaphasol process for ...	60
pad-jig ...	581	— continuous, with aid of Carrier 6109 ...	201
paper, problem of two-sidedness in ( <i>ICI</i> ) ( <i>Pattern Card</i> ) ...	563	— historical review ...	200
piece goods in autoclaves ...	581	— by Irga-Solvent process ...	252
pile fabrics ...	103	— kinetics of ...	305
polyacrylonitrile fibre ...	427, 428	— with 1:2 metal complexes of azo dyes ...	583
— with Basacryl dyes ...	180	— on packages, advantages of ...	148
— with basic dyes ...	359	— practical problems in ...	200
— with basic or disperse dyes ...	523	— relation between empirical and scientific foundations in ...	359
— or sheets, continuously, with acid dyes ...	360	— with Remazol dyes ...	251
polyacrylonitrile tow ...	307	— with vat dyes ...	202
polyacrylonitrile-wool fibre mixtures with basic dyes, resist agents for wool in ...	523	worsted material with Isolan Black GL and RL as basis ( <i>FBy</i> ) ( <i>Pattern Card</i> ) ...	561
polyamide fibres, especially Rilsan ...	149	worsted pieces with chrome dyes, observations on ( <i>Communication</i> ) ...	487
— with acid dyes ...	252	<b>Dyeing</b> ( <i>see also</i> Light fastness)	
— with aqueous suspensions of insoluble 1:2 metal complexes of azo dyes ...	474	direct, improving wet-fastness properties ...	473
— with disperse reactive dyes ...	428	or prints, metallised azoic ...	201
— effect of steaming on rate ...	582	stripping, acid baths for ...	252
— Helanca ( <i>CIBA</i> ) ( <i>Pattern Card</i> ) ...	459	— auxiliaries for ...	42
— with Logwood Black ...	201	<b>Dyeing and finishing</b> cellulose tracetate "ease-of-care" fabrics	203
polyamide and polyester sewing threads ...	521	cellulosic fabrics, combined ( <i>Lecture</i> ) ...	69
polyester fabrics, and mixtures by Thermofix process ...	103	cellulosic textiles, reactive ...	150
— and mixtures with wool and cotton by the Thermosol process ...	103	costs of ...	358
polyester fibres ...	474	cotton and viscose rayon fabrics continuously ( <i>ICI</i> ) ( <i>Pattern Card</i> ) ...	562
— with azo dyes ...	359	equipment, modern, fundamentals of ...	251
— and blends with Esterophile dyes ...	60	polyester blend fabrics ...	306
— disperse or azoic, levelling agent for ...	523	polyester-wool mixtures ...	60, 149
— with disperse, azoic, and vat dyes ...	202	simultaneous, using hydrazine derivatives of tetra-aza-	
— with disperse dyes, benzoic acid as carrier in ...	201	— porphin dyes ...	522
— mechanism of carrier action in ...	201, 359, 428	— of polyester-cotton fabrics ...	203
— phenylphenols as assistants in ...	151	— using reactive dyes ...	252
— effect of steaming on rate ...	582	— with reactive dyes and resin precondensates ...	203
— or foils with azoic dyes ...	103, 104	steam supply in ...	625
— high-temperature, use of dyeing assistants in ...	522	<b>Terylene-linen fabrics</b> ( <i>Lecture</i> ) ...	9
— in mixtures with cellulosic fibre, progress in ...	522	<b>Dyeing or printing</b> with aid of aminoplasts ...	61
— wool mixtures ...	60, 103, 149	cellulosic materials with reactive dyes containing halo-	
polyesters bluish green to green with azoic dyes ...	104	— genoacylamino groups ...	201
polyethylene terephthalate surgical sutures ...	104	cotton-polyester fibre blends ...	61
polymethyl methacrylate with 1:2 metal complexes of disazo dyes ...	582	double cloths for curtaining ...	150
polyolefins ...	307, 474	fibres containing hydroxyl groups ...	473
polypropylene, brick red with reaction product of tetra-		nitrogenous fibres with 1:2 metal-complex dyes ...	260, 428
— cyanoethylene and indole ...	361	pile fabric ...	253
— problems in ...	582	polyacrylonitrile ...	306
polypropylene fibres, with anthraquinone dyes ...	583	protein fibres, with azo disperse dyes ...	61
— with azo dyes ...	522, 582	— with nitro disperse dyes ...	60
— studies on ...	583	with Reactone dyes, thermal shock method for ...	200
polyvinyl alcohol fibres ...	366	and resin-finishing, simultaneous ...	360
polyvinyl n-butylboronate with Congo Red ...	583	with vat dyes containing an acyl residue ...	302
polyvinylidene cyanide fibres with basic or disperse dyes ...	523	<b>Dyeing and resin-finishing</b> of cellulose, simultaneous, using water-insoluble reactive dye ...	522
processes, developments in ...	358	simultaneous ...	360
— effect of stirring ...	521	<b>Dyers</b> and Colourists Association of South Africa ...	377
— physico-chemical principles of ...	59	<b>Dylan</b> XB and XC shrink-resist processes, effect on wool dyes ( <i>CAC</i> ) ( <i>Pattern Card</i> ) ...	561
— thermodynamics of: I—Absorption models ...	200		
with Procion dyes, mechanism of ( <i>Communication</i> ) ( <i>Correspondence</i> ) ...	274		
protein fibres, natural and regenerated ...	428		
— and polyamide fibres with lac dye ...	60		
— with reactive dyes ...	582		
with reactive dyes, continuous and semi-continuous recipes, spectrophotometric method of determining ...	472		
silk (protein fibres) with reactive dyes ...	582		

GE		PAGE		PAGE
182	<b>Economics</b> — <i>continued</i>			
64	Japanese dye industry, present and future of	137		
28	spotlight on dyehouse costs	305		
300	<b>Effect threads</b> ( <i>see Metal</i> )			
358	<b>Effluent</b> ( <i>see also Waste water</i> )			
201	azo-dye, evaporation of waste saline solutions from	344		
202	<b>Ehrlich</b> 's reagent and resorcinol derivatives, purple compounds			
581	from	435		
582	<b>Ekra</b> dispersing and binding agent	244		
522	<b>Elastic</b> yarns of vulcanised sulphochlorinated propylene-ethylene copolymers	357		
201	<b>Elastomers</b> , annual review	107		
228	determining mutual adhesion of	256		
103	organopolysiloxane, treating fillers for	578		
201	<b>Electrochromism</b> , possible change of colour producible in dyes by electric field	346		
228	<b>Electrometallisation</b> , uniformity of metal deposition on fabric by	431		
301	<b>Electron</b> -donor systems, compounds with two separate...	346		
60	<b>Electron</b> paramagnetic resonance signal in silver bromide sensitised by cyanine dyes	592		
201	<b>Electrophoresis</b> of dyes and dye intermediates...	366		
358	porous-glass	107		
252	<b>Electrostatic</b> ( <i>see also Antistatic</i> )			
148	coating of filaments	106		
200	dyeing of leather	131		
359	images, developing	584		
251	printing, of patterns on cloth	307		
202	— on polyethylene	584		
561	<b>Elite</b> Fast Brilliant Red 3BN ( <i>LBH</i> ) ( <i>Pattern Card</i> )	460		
487	Fast Green GLW ( <i>LBH</i> ) ( <i>Pattern Card</i> )	460		
473	<b>Embossed</b> coated sheet material	477		
201	<b>Embossing</b> ( <i>see also Calender</i> )			
252	knitwear made from thermoplastic fibres	154		
42	polyvinyl chloride and polystyrene sheeting	158		
203	and printing thermoplastic film	525		
42	rollers, apparatus for transferring designs to	564		
203	and venting a resin-coated fabric	64		
251	<b>Emulphor</b> EL ( <i>BASF</i> ) ( <i>Pattern Card</i> )	292		
358	<b>Emulsifying</b> ( <i>see also De-emulsifying</i> )			
69	agents	184		
150	— glucose ureide esters as	42		
562	<b>Emulsion</b> polymerisation, advances in technology of	206		
251	<b>Emulsions</b> for colouring textiles, concentrates for production of	474		
306	<b>Enamels</b> for decorative alumina ware	197		
149	dispersing pigments in	57		
522	non-cratering copolymer-based	99		
203	pink vitreous, colorimetric studies on	197		
252	yellow pigments for	99		
203	<b>Enamines</b> , heterocyclic, vinyllogue reactions of	420		
203	<b>Energy</b> transfer between sensitiser and substrate	160		
203	<b>Enzymes</b> and their application in textile processing ( <i>Lecture</i> )	533		
203	<b>Enzymic</b> desizing and bleaching of textiles	148		
255	<b>Eosin</b> , photosensitised oxidation of phenol by	45		
9	<b>Epoxide groups</b> , esters containing	566		
61	hardenable condensates containing, as auxiliary agents	35		
201	<b>Epoxides</b> , difunctional, reactions with cotton cellulose...	63		
61	water-soluble, for resin-finishing hydroxyl-containing			
150	fibres	566		
473	<b>Epoxy</b> ( <i>see also Varnishes</i> )			
128	polymer, thermoplastic, surface coatings of	355		
253	resin adhesives for bonding cellulosic fibres	566		
306	resins, aqueous emulsions of	57		
61	— boron curing agents for	625		
60	<b>Erythioptein</b> orange-red butterfly pigment, structure of	513		
200	<b>Esterophile dyes</b> , dyeing polyester fibres and blends with	60		
360	printing polyester fabrics and blends with	253		
302	<b>Ethoxy groups</b> , microdetermination	257		
522	<b>Ethylene oxide</b> , determination in presence of methacrylic acid and iron salts	479		
360	determination of small amounts in mixtures	366		
377	<b>Ethylenimine</b> derivatives, finishing agents	461		
561	— reactive dyes from	571		
201	<b>Extender</b> blends, influence on properties on latex flat paint film	354		
201	<b>F</b>			
300	<b>Fabrics</b> ( <i>see also Cloth, Coating, Drying, Dyeing, Pile fabric, Shrinking, Steaming, Wet processing</i> )			
358	coated, three-dimensional	206		
161	— with vinyl resin and capable of being printed	363		
201	with depressed surface areas	363		
201	<b>Fabrics</b> — <i>continued</i>			
182	inspection machine for	134		
64	metallic lustrous effects on	155		
28	patterned	633		
300	with pockets or depressions therein	65		
358	synthetic-polymer-fibre, improving cover of	477		
582	with three-dimensional colour effect (woven fabric)	363		
522	uniformity of deposition of metal on	431		
201	<b>Factories Acts</b>	237		
228	<b>Fading</b> ( <i>see also Fastness</i> )			
103	of Brilliant Green, alkaline, influence of ionic strength on rate	187		
201	of dyes, variation with exposure ( <i>Communication</i> )	216		
60	rate, of British dyed-wool light-fastness standards in daylight ( <i>FTCC Publication</i> )	231		
201	— of dyes of different light fastness on exposure to fluorescent tubes, calculation of ( <i>Lecture</i> )	209		
201	<b>Fast Blue B Base Crystallised</b> ( <i>FH</i> ) ( <i>Pattern Card</i> )	292		
201	Red E, electrometric titration	207		
201	Turquoise Blue SW ( <i>FH</i> ) ( <i>Pattern Card</i> )	459		
201	<b>Fastness</b> ( <i>see also Colour-, Dry-cleaning-, Light-, Rubbing-, and Washing-fastness; and Fading</i> )			
201	for direct dyeings, improving	184		
201	of dyed materials, evaluating	67		
201	of dyeings, on recovered wool	582		
201	— testing	208		
201	of dyes, photometric measurement	500		
201	testing, daylight, by Langley system	500		
201	— 50 years of (1911–61)	435		
201	<b>Fatty</b> alcohol polyglycol ethers, degree of oxyethylation, determination	434		
201	<b>Faults</b> in textiles, detection	530		
201	<b>FD&amp;C</b> dyes, use in oily media	428		
201	<b>Feathers</b> , wash-fast water-repellent finish on	160		
201	<b>Felisol</b> Information Bulletins No. 13, 14 ( <i>Felisol</i> ) ( <i>Pattern Card</i> )	294		
201	<b>Felt</b> and felt sleeves, preparation and properties	579		
201	-backed surface coverings, dimensional stabilisation	363		
201	hardening, milling, washing and dyeing in one continuous operation	134		
201	—like fabric	477		
201	<b>Felting</b> , movement of wool fibres in fabrics during	475		
201	power of wool, reducing	586		
201	rates of untreated and shrink-resistant wool fabrics	64		
201	theories of, preparation and properties of felts and felt sleeves, with reference to	579		
201	of wool, increasing rate of	254		
201	— reducing	205, 309		
201	— with di- and tri-chlorocyanuric acids	477		
201	— shrink-resistant, effect of pH and detergents	204		
201	— testing with Accelerotor	159		
201	<b>Ferric oxide</b> ( <i>see also Ageing</i> )	577, 620		
201	hydrated, suggested polymeric structure	46		
201	-silicon ceramic body stains	577		
201	synthetic, colour	46		
201	<b>B-Ferric</b> oxyhydroxide	348		
201	<b>Ferrocene</b> derivatives as ultraviolet absorbers	38		
201	<b>Ferrous</b> leucoferricyanide and Prussian Blue	303		
201	<b>Fibre</b> ( <i>see also Degradation, Dry-cleaning, Gas-plating, Photo-degradation, Wet processing</i> )			
201	blends, Acrlan 16-cotton, bleaching and dyeing	581		
201	— cellulose-hydrophobic fibres, dyeing	201		
201	— cellulose-polyester fibre, dyeing by Thermofix process	103		
201	— cotton-polyacrylonitrile, quantitative separation	590		
201	— cotton-polyvinyl chloride, quantitative separation	590		
201	— polyester-cotton and -wool, dyeing by Thermosol process	103		
201	— polyester-wool, dyeing and finishing	60		
201	— polypropylene-wool or -rayon, analysis	311		
201	classification table	58		
201	colorant on, identification of application class of ( <i>Ident. Dyes Cttee. Paper</i> )	125		
201	— ( <i>Correction</i> )	235		
201	cross-sections, simple setting method for preparation of	435		
201	formation, technological problems of	198		
201	gamma radiation, effect on	250		
201	identification	208		
201	— by infrared spectroscopy	367		
201	— by Shirlastains A, D, and E	159		
201	interaction with dyes, spectrophotometric quantitative calculation	101		
201	market trends in	131		

	PAGE	PAGE	
<b>Fibre—continued</b>			
mixtures, acrylic and other fibres, analysis	367	<b>Fireproofed</b> textiles, testing weather-resistant properties	259
— cotton-cellulosic fibre, analysis	367	<b>Fixapret</b> TN Liquid (BASF) (Pattern Card)	292
— cotton-man-made fibre, finishing	633	<b>Flameproofing</b> cellulose organic acid ester fibres	357
— polyacrylonitrile-wool, dyeing	523	techniques, some advances and effects in	475
— polyester-cellulose, dyeing	522	<b>Flame-resistance</b> of plastics, improving	158
modification by radiation	198	<b>Flame-resistant</b> agents, derived from methylolphosphorus	
production, survey of	57	polymers	136
properties, effect of radial heterogeneity on	147	— quaternary organic phosphorus compounds	136
structure and chemical processing	520	bonded-fibre fabrics	64
structure-property relationships	304	cellulose derivatives	432
technology, developments in	579	fabrics, improving tear strength of	477
ultraviolet microscopy	259	finish, for cellulosic material	64, 155
unions, polyester-cellulosic, black shades on (ICI)		— durable, identification of	532
(Pattern Card)	562	— and glow-resistant finish fast to washing and dry-cleaning	363
— Terylene-cellulosic fibre (see Printing)		modified cellulose	363, 634
vegetable, determination of ignition temperature	367	polymers, phosphorus nitrilo compounds as intermediates	
<b>Fibrill</b> stain, Chlorazol Black E as	159	for	243
<b>Fibrous</b> macromolecules, dimensional changes in	425	treatment of cellulosic materials	477
materials, density, measurement goniometrically	108	and/or water-repellent finish	154
— effect of radiation	57	and water-repellent treatment of dyed cellulose cloth	432
— hydroxyl, modifying properties of	154	<b>Flame-retardant</b> agents, phosphoric acid compounds as	136
sheets, impregnated	527	finish	626
<b>Filaments</b> (see Coating, Gaseous treatment)		treatment of cotton with APO	475
<b>Fillers</b> (see also Settling)		<b>Flash-age</b> fixation of vat prints using sodium sulphoxylate	
adsorption modification, and formation of structure in		formaldehyde as reducing agent (Symposium)	603
polymer solutions	256	<b>Flash ageing</b> , a survey of history and development of	
bonding to thermosetting resins	635	(Symposium)	593
for organopolysiloxane elastomers	578	process, printing Remazol dyes by (Symposium)	609
siliceous	424	Rongal A in (Symposium)	597
<b>Film-forming</b> suspensions, fluidising agent for	197	<b>Flattening</b> agents, zinc soaps as	146
surfaces, analysis, and nature of adhesion	158	<b>Flavanones</b> , conversion into anthocyanins	513
<b>Films</b> (see Printing)		<b>Flavone</b> from leaves of <i>Digitalis purpurea</i> L.: digitetrione	420
<b>Filters</b> (see also Glass filters)		pigment of <i>Sudachi</i> , Sudachitin	189
monochromatic, colour differences and tolerance, dependence on wavelength	531	<b>Flavonoids</b> of fruits of parsnip	348
optical, derivatives of 3-alkyl-3'-methyl-spiro-[benzoxazole-2,2'-(2'H-1'-benzopyran)] in	531	<b>Flavonium</b> salts, anhydro-base formation front	513
<b>Finishes</b> (see also Melamine)		<b>Fleaching</b> machine for animal pelts	157
industrial selection of pigments for	145	<b>Flocculating</b> suspensions	508
leather, properties of	433	<b>Flock</b> coating of fabrics	586
new developments in	203	effects, coloured	253
organopolysiloxane, catalysts for	136	electrostatic application to form pile on adhesive surface	416
surface, effect on flex-abrasion resistance of cotton sateen	154	-printed fabrics, chemical testing	636
<b>Finishing</b> (see also Dyeing and finishing, Wet processing, and under specific finishing processes)		<b>Floor</b> coverings	205
agents, ethylenimine derivatives	461	<b>Fluidised bed</b> , coating in	107, 147
— fluorocarbon	157	drying of fabrics	525
— identification on fibre, supplement to	591	dye fixation in cellulosic materials	59
— polymers of $\alpha\beta$ -unsaturated hydroxamic acids	185	heat treatment, effect on fabrics	105
— reactive acrylic	135	for heat treatment of thermoplastic textiles	416
alginate, use in	184	machine	183, 508
cellulosic fibres, new cross-linking agents for (new possibilities)	203	and molten-metal machine, combined	294
cellulosic textiles, dimensionally stable and flat-drying	526	multilayered coatings by use of	579
finish obtained by	509	obtaining by means of suction	242
chemical, of cellulose	203	sintering coating with thermoplasts	630
— of wool and blended fabrics	182	threading web through	183
cotton, imitation poplin, "non-iron", limitations on	204	<b>Fluidising</b> agent for lacquers and other film-forming suspensions	197
— man-made-fibre mixture fabrics	585	<b>Fluorescein</b> , sulphoacids of	571
— opportunities in	307	<b>Fluorescence</b> spectra, of azomethine compounds	463
— or rayon fabrics with polyethylene emulsions	307	— of polymers	433
effect on physiological properties of clothing	204	<b>Fluorescent brightening agents</b>	249
hydrotropy, importance in	307	absorption by photographic paper (surface-coated papers)	255
knitted goods for laminating with polyurethane foam	309	aggregation on cellulose	358
knitted polyamide-fibre sheetings	586	applying to acrylic fibres	306
leather, non-bronzing pigment for	633	2-(4-arylamino-phenyl)-5,7-dihydroxy-2H- $\gamma$ -triazolo[4,5- <i>d</i> ]-pyrimidines	469
machines for fully continuous processing	182	azamonomethinecyanine, for polyacrylonitrile and cellulose acetate	423
man-made-fibre textiles, modern methods of	476	bis(benzoxazolyl)ethylenes	571
mechanical, of fabrics	307	bistriazolylaminostilbene	419, 422
non-iron, of mixed cotton and rayon fabrics	431	derivatives of 4,4'-bis(2,4-diamino-1,3,5-triazyl-(6)-amino)stilbene	469
physical and chemical, modern techniques in	475	derivatives of 4,4'-diaminostilbenedisulphonic acid	143
polyester-cotton fabrics	203	3,5-diaminopyrazine-2,6-dicarboxylic acid derivatives	353
problems—past, present, and future	152	$\alpha\beta$ -dibenzoxazol-2-yl-ethylenes	629
processes, progress in	254	2,5-di(benzimidazolyl-2')furan	249
recent developments	429	diphenyliindoles and derivatives	196
sewing thread	525	evaluation (photometric evaluation of white textiles)	480
symposium on	307	fabrics treated with, transparency to ultraviolet radiation	579
synthetic-polymer fibres, "hygienic"	586	foulard application on cellulose	359
treatments, cross-linking reactions in	152	furan derivatives	518
Trevira-wool mixture fabrics	64	for paper	302
wool, wet, setting operations in	204	for polyamides	98
		production and consumption in U.S.A.	338

Fluor

Fluor

Fluor

Foam

Foam

Foils

Foam

Form

Form

Form

Fructo

Fuchs

Fume

Funga

PAGE		PAGE	PAGE
250			
292	<b>Fluorescent brightening agents—continued</b>		
357	pyrazoline ... ... ... ... ... ... 144		
475	relation between fluorescent processes and properties of ... 472		
158	in resin finishing ... ... ... ... ... 153		
	stilbene ... ... ... ... ... 98		
	stilbyl triazole ... ... ... ... ... 196		
136	stripping off or levelling on synthetic-polymer fibres ... 150		
136	styryl-substituted pyridine compounds as ... ... ... ... 577		
64	1,3,4-thiadiazole ... ... ... ... ... 518		
432	thin-layer chromatography ... ... ... ... 207		
477	thiophene derivatives ... ... ... ... ... 98		
155	7-triazinylaminoo-3-phenylcoumarins ... ... ... ... 196		
532	triazinylaminostilbene ... ... ... ... ... 98		
	in wash-and-wear finishing of cotton ... ... ... ... 153		
363	water-insoluble benzimidazolylstilbene ... ... ... ... 249		
634	yellowing of cotton fabrics treated with ... ... ... ... 59		
243	<b>Fluorescent brightening of Perlon piece goods and hanks (BASF) (Pattern Card)</b> ... ... ... ... ... 180		
477	— of polyester fibres ... ... ... ... ... 60		
154	colour, daylight, measurement of ... ... ... ... ... 530		
432	pigments, daylight ... ... ... ... ... 139		
136	— measurement ... ... ... ... ... 530		
626	— and their possible uses ... ... ... ... ... 514		
475	tubes, calculation of fading rates of dyes of different light fastness on exposure to ( <i>Lecture</i> ) ... ... ... ... 209		
603			
503	<b>Fluorinated siloxanes</b> ... ... ... ... ... 94		
609	<b>Fluorocarbon</b> acrylamides—surfactants, sizes, and coating agents ... ... ... ... ... 243		
597	resin, aqueous ink for marking ... ... ... ... ... 519		
146	synthesis and application in finishing ... ... ... ... ... 157		
513			
420	<b>Fluoroethylene</b> , monochlorotri-, masterbatch for colouring ... 479		
189			
	<b>Foam</b> (see also Antifoam, Bonding)		
348	-backed and coated fabrics ( <i>Lecture</i> ) ... ... ... ... ... 542		
513	plastic, combination with textiles ... ... ... ... ... 476		
157	stabilisers ... ... ... ... ... 417		
508	stability of alkylaryl sulphonates, improving ... ... ... ... 135		
586	uniformly distributing on substrates ... ... ... ... ... 155		
253			
416	<b>Foamed</b> inks, use in textile printing ... ... ... ... ... 151		
636			
205	<b>Foaming</b> (see also Antifoaming)		
147	power and foam stability, determination... ... ... ... ... 67		
525	<b>Foils</b> (see Bonding)		
59	<b>Food</b> , carotenoid preparations for colouring ... ... ... ... ... 196		
105	dyes, electrophoretic determination ... ... ... ... ... 108		
416	— fat-soluble, detection and determination ... ... ... ... ... 529		
508	— paper-chromatography ... ... ... ... ... 367		
294	— permitted lists ( <i>ICI</i> ) (Pattern Card) ... ... ... ... ... 563		
579	— present international position ... ... ... ... ... 514		
242	— prohibited water-soluble—characteristics, properties, spectrophotometry, and circular paper chromatography... ... ... ... ... 434		
630	— water-soluble salts of Curcumin as ... ... ... ... ... 249		
183	— water-soluble, systematic scheme for identifying ... ... ... ... 529		
197	ghee and butter, detection of added colours in ... ... ... ... 479		
571	— sweet, extraction and identification of synthetic dyes in ... ... ... ... ... 158		
463			
433	<b>Formaldehyde</b> , cotton treated in swollen state with, imparting dry crease resistance to ... ... ... ... ... 362		
249	determination of small amounts in mixtures ... ... ... ... ... 366		
255	effect on azo dyes containing amino groups in crease-resist finishing ... ... ... ... ... 153		
358	gaseous, cross-linking cotton with ... ... ... ... ... 584		
469	kinetics of reaction with phenol ... ... ... ... ... 433		
	reaction with aminopyrimidines ... ... ... ... ... 295		
423	release from fabric finished with dimethylolethyleneurea, control of ... ... ... ... ... 363		
571	in resin finishing ... ... ... ... ... 565		
422	tanning in presence of organic compounds with ... ... ... ... ... 635		
469	-treated cotton, determining formaldehyde content of ... ... ... ... ... 591		
143	treatment of cotton in calcium chloride solutions with ... ... ... ... ... 585		
353			
629	<b>Formazan</b> dyes, metallised, derived from acetoacetic ethyl ester ... 346		
249	<b>Formic</b> acid colloid of methylolmelamine, crease- and muss-resistant finish for cotton using ... ... ... ... ... 307		
196			
480	<b>Foron</b> dyes, on polyester fibres, sublimation fastness (S) ( <i>Pattern Card</i> ) ... ... ... ... ... 564		
579	— printing polyester fibres with ... ... ... ... ... 253, 420, 524		
359			
518	<b>Fructose</b> and diphenylamine, mechanism of reaction between... ... 95		
302	<b>Fuchsine</b> , radiosynthesis ... ... ... ... ... 186		
98	<b>Fume</b> silica filler treated with an organosilane ... ... ... ... ... 470		
338	<b>Fungal</b> attack, use of bursting strength in assessing resistance to ... ... ... ... ... 68		
	<b>Fungicidal</b> (see also Bactericidal)		
	and bactericidal properties, synthetic resin having properties, imparting to paper ... ... ... ... ... 478		
	— paint vehicle having ... ... ... ... ... 156		
			249
	<b>Fungicides</b> , copper-containing, estimation on commercially treated cotton textiles by rubaneic acid method ... ... ... ... ... 591		
	for leather, 5,6-dichloro-2-benzoxazolinone ... ... ... ... ... 206		
	organonit ... ... ... ... ... 42		
	<b>Fur</b> (see Bleaching, Dry-cleaning)		
	<b>Furan</b> derivatives, fluorescent brightening agents and dye intermediates ... ... ... ... ... 518		
	<b>Furnace black</b> ... ... ... ... ... 303		
	preparation ... ... ... ... ... 56		
	<b>G</b>		
	<b>Gallotannins</b> , problems in chemistry of ... ... ... ... ... 184		
	<b>Garments</b> (see also Soiling)		
	giving protection against sparks, hot or molten metal, or like, coated cloth for ... ... ... ... ... 527		
	<b>Gas-fume fading inhibitor</b> ... ... ... ... ... 423		
	-plating of fibres, apparatus for ... ... ... ... ... 564		
	-resistant fabric, carbon-impregnated ... ... ... ... ... 255		
	<b>Gaseous</b> treatment, continuous, of filaments, cloth, paper, etc. ... 476		
	<b>Glutelin</b> (see also Dyeing)		
	mode of interaction with surface-active agents ... ... ... ... ... 365		
	<b>Gentian Violet</b> , chromatographic fractions ... ... ... ... ... 133		
	<b>George Douglas</b> lecture ... ... ... ... ... 8		
	<b>Glass</b> (see also Coating, Colouring, Dyeing, Desizing, Heat-cleansing)		
	fibres, finish for ... ... ... ... ... 94		
	— formation and methods of manufacture ... ... ... ... ... 100		
	— triazine dyes for ... ... ... ... ... 51		
	— use in papermaking (paper from inorganic fibres) ... ... ... ... ... 527		
	filters, blue, to approximate blackbody at 6500°K ... ... ... ... ... 530		
	imparting metallic lustre to ... ... ... ... ... 532		
	increasing affinity for acid dyes and improving adhesion with organic resins ... ... ... ... ... 104		
	surfaces, hydrophobic, use of lower esters of orthosilicic acid in preparation ... ... ... ... ... 345		
	transfers for application to... ... ... ... ... 152		
	<b>Glass-transition</b> temperature in coating formulations... ... ... ... ... 365		
	<b>Glucosides</b> (see also Hydrolysis)		
	phenyl- $\alpha$ -D-, acid and alkaline hydrolysis... ... ... ... ... 156		
	<b>Glycerides</b> , separation by thin-layer chromatography... ... ... ... ... 479		
	<b>Gold</b> , dyed chromate on zinc plate to simulate ... ... ... ... ... 632		
	primary mercaptans, Burnish Gold containing ... ... ... ... ... 470		
	<b>Graft</b> copolymerisation, radiation-induced, of styrene and nylon — of styrene to polyvinyl alcohol fibres ... ... ... ... ... 199		
	copolymers, dyeable... ... ... ... ... 580		
	polymerisation of acrylonitrile on cellulose (oxidation of cellulose) ... ... ... ... ... 356		
	polymers of cotton cellulose and acrylonitrile ... ... ... ... ... 154		
	<b>Grafted</b> natural polymers ... ... ... ... ... 64		
	polyesters having good dyeing properties... ... ... ... ... 150		
	<b>Grafting</b> carboxymethylcellulose to acrylonitrile ... ... ... ... ... 357		
	cellulosic fibres with aid of ionising radiation ... ... ... ... ... 476		
	olefin polymers into cellulosic materials ... ... ... ... ... 364		
	<b>Granules</b> , roofing, coloured ... ... ... ... ... 260		
	surface, colouring ... ... ... ... ... 312		
	<b>Grease</b> content of textiles, rapid determination ... ... ... ... ... 435		
	<b>Griess</b> , Peter, work as brewery chemist ... ... ... ... ... 416		
	<b>Grinding</b> pigments ... ... ... ... ... 578		
	wet, of dyes and pigments ... ... ... ... ... 145		
	<b>Gypsum</b> , producing anhydrite of improved whiteness from off-white ... ... ... ... ... 518		
	<b>H</b>		
	<b>Haematein</b> and its derivatives (Communication)... ... ... ... ... 321		
	fading in aqueous acidic solutions (Communication) ... ... ... ... ... 549		
	<b>Haematoxylin</b> , unstable forms, formation by flash illumination ... ... ... ... ... 95		
	<b>Hair</b> (see also Bleaching, Dyeing, Setting, Waving)		
	dyes, and allied substances, skin compatibility ... ... ... ... ... 480		
	— preparation ... ... ... ... ... 61		
	<b>Handle</b> of textiles, improving ... ... ... ... ... 134		
	<b>Hanks</b> (see also Dyeing machines)		
	squeeze rollers for ... ... ... ... ... 344		
	supporting in tanks or the like ... ... ... ... ... 41		
	<b>Harold De Witt Smith</b> Medallist ... ... ... ... ... 178		
	<b>Hats</b> (see Milling)		

PAGE	PAGE		
<b>Heat-cleansing, flameless, of fibrous glass</b> ... ... ... ... ...	632	<b>Hydroxyl</b> groups, interaction with $\pi$ -electrons, carboxyl group as proton donor in ... ... ... ...	368
—reflecting fabric ... ... ... ...	527	—absorbing agents ... ...	95
stability of cellulosic fibres, raising ... ...	153	<b>Hydroxymonoketones</b> , dye intermediates and ultraviolet	106
transfer layer ... ...	362	absorbing agents ...	148
treatment, and drying of materials ...	41	<b>Hypochlorite</b> , action on resin-treated cotton ...	148
— of polyacrylonitrile fibres, physico-chemical effects	425	oxidation of cotton, mild ...	148
— of polypropylene fibres, changes in crystallinity on	304	solutions, continuous automatic manufacture from soda	417
— of textile fibres ...	508	ash ...	417
— of thermoplastic textiles, fluidised bed for	410		
waste, utilisation in textile industry ...	532		
of wetting of viscose rayon ...	579		
<b>Hectographic</b> compositions ...	578	<b>I</b>	
— soft-grain di- and tri-arylmethane dyes for	193	<b>IFATCC</b> , Congress at Noordwijk, Holland	37
copying ...	152	Technical Forum ...	37, 335, 504
paper ...	310	<b>Ignition</b> temperature of vegetable fibres, determination	367
and spirit-type masters, preparation by photographic		<b>Illuminating</b> Engineering Society— Gold Medal 1961...	178
technique ...		<b>Illumination</b> (see <i>Xenon lamps</i> )	
<b>Helanca</b> polyamide fibre, dyeing ( <i>CIBA</i> ) ( <i>Pattern Card</i> )	459	<b>Imidazole</b> dyes	94
— saturation values of acid and Cibalan brilliant dyes on		— synthesis and properties of 1,2-naphthoylbenzimidazole ...	347
( <i>CIBA</i> ) ( <i>Pattern Card</i> )		— residue, basic azo dyes containing...	192
screen prints on ( <i>BASF</i> ) ( <i>Pattern Card</i> ) ...	459	<b>Imidazolone</b> , 2-phenyl-4(5)-, red pigments from ...	570
<b>Helizarin</b> NT process for screen printing ( <i>BASF</i> ) ( <i>Pattern Card</i> )		<b>Imidocarbocyanine</b> dyes, synthesis (benzothiazolylbenzimidazoles) ...	512
<b>Hemicellulose</b> , colorimetric estimation in lye ...	590	<b>Imidocyanines</b> containing an electronegative substituent ...	569
components of pinewood, hydrolysis with 30–36% HCl...	156	<b>Immedial</b> Light Yellow GWL, constitution of ...	570
<b>Heterocyclic</b> compounds, nitrogen-containing, chromatographic		<b>Impranil</b> CH and CHW, properties and applications (textile	
adsorption on alumina ...	311	coatings) ( <i>FBy</i> ) ( <i>Pattern Card</i> ) ...	92
<b>Hide</b> , hydroscopic effects of surface-active agents on	364	<b>Impregnating</b> fabrics, elastomeric vapour-permeable films and	185
powder, vegetable-tanned, combined tannin of	587	compositions for ...	185
<b>Hiding power</b> , determination (Pfund Cryptometer) ...	159	<b>Indanthren</b> Brilliant Green GG, properties of suspensions and	
of white pigments: theory and measurement ...	158, 258	pastes containing ...	512
<b>Hispidin</b> , new pigment and precursor of "fungus lignin" ...	513	Brilliant Green 5G ( <i>BASF</i> ) ( <i>Pattern Card</i> ) ...	180
<b>Histochemistry</b> , use of Procion dyes in...	368	Brown LMG ( <i>BASF</i> ) ( <i>Pattern Card</i> ) ...	180
<b>Historical</b> , chemical technology in early Muslim times—inks,		dyes, behaviour in mercerisation ( <i>BASF</i> ) ( <i>Pattern Card</i> ) ...	180
leather dyes, and paper ...	462	dye stuffs on cotton piece goods, grey shades with ( <i>FBy</i> ) ( <i>Pattern Card</i> ) ...	92
development of bleaching ...	260	<b>Indigoid</b> dyes (see also Vat dyes)	
dyes and dyeing in the Confederacy ...	480	studies on ...	513
Joshua Ward and early manufacture of $H_2SO_4$ in England		and thioindigoid dyes, state in dyed materials	
Papin and his new digester...	160	(Communication) ...	167
A. G. Perkin 1861–1937	260	<b>Indigos</b> , [indole-(3)] [3-aryl-2,4-thiazolidinedione-(5)-] ...	464
reminiscences of early British dyestuff industry (Lecture)		<b>Indigosols</b> , absorption equilibrium on cotton ...	138
<b>Hoechst</b> News 1962 No. 1 ( <i>FH</i> ) ( <i>Pattern Card</i> ) ...		O4B and Grey 8, dyeing cotton with ...	427
<b>Hole</b> -melting, resistance to, imparting to polymers (grafted		Yellow I2G(F) ( <i>DH</i> ) ( <i>Pattern Card</i> ) ...	181
natural polymers) ...	64	<b>Indoaniline</b> dyes, cyan-forming colour couplers...	190
<b>Hose</b> (see also Dyeing)		— derived from 1-hydroxy-2-naphthamides ...	138
material with bacteriostatic and antimycotic properties...	431	— derived from substituted $\alpha$ -naphthols ...	188
<b>Hosiery</b> (see also Dyeing, Knitted fabrics, Setting)		<b>Indocarbon</b> dyes ( <i>CFM</i> ) ( <i>Pattern Card</i> ) ...	40
damage-resistant ...	586	<b>Indophenol Blue</b> , radiosynthesis ...	186
forms ...	183, 565	<b>Information</b> retrieval: the searching question ...	130
simultaneous scouring, dyeing, and finishing ...	361	<b>Infrared</b> radiation, colour salts of fluoren-9-ols as absorbers of ...	510
union dyeing ...	358	reflectance, vat dyes of low ...	517
<b>Hyaman</b> sulphur dyes ...	138	<b>Ink</b> (see also Printing ink)	
<b>Hydrazine</b> compositions, acyl, producing colour from ...	139	aftertreatment of carbon black to improve performance	
<b>Hydrazinium</b> chlorides, acyclic, auxiliary agents and dye		— in ...	249
intermediates ...	135	aqueous, for marking perfluorocarbon resin ...	519
salts, for detergents and dyes ...	145	ball-pen ...	578
— dyes derived from (dye salts with quaternary		blue ball-point, differentiation ...	367
ammonium compounds) ...	144	coloured laundry and textile marking ( <i>ICI</i> ) ( <i>Pattern</i>	
<b>Hydrazones</b> , azo dyes from, by oxidative coupling ...	187	<i>Card</i> ) ...	293
fungicidal and bactericidal studies...	295	dry-printing ...	57
<b>O-Hydrazotoluene</b> , acid rearrangement...	568	flexographic, control of souring in ...	424
<b>Hydrocarbons</b> (see Solubilisation)		foamed, printing textiles with ...	151
<b>Hydrocellulose</b> , action of chlorous acid on ...	310	lithographic ...	630
from mercerised cotton, hot alkali treatment ...	631	— testing under printing conditions ...	480
<b>Hydrogen</b> , rapid micro determination ...	433	magnetic, printing with ...	62
<b>Hydrogen-bond</b> formation: complex formation between variety		for making transfers ...	578
of organic solutes in $CCl_4$ ...	208	for marking perfluorocarbon resin surfaces ...	303
<b>Hydrogen peroxide</b> , dyeing nitron pretreated with ...	359	photogravure, testing abrasive properties ...	424
in preparation of printing pastes from starch ...	632	for printing on waxed pellets ...	250
<b>Hydrolysis</b> , acids of amidomethylol finishes on cotton, effect		-receptive coating composition for impermeable plastics	529
of substituent groups ...	430	recording ...	99, 198, 199
— and alkaline, of substituted phenyl- $\alpha$ -D-glucosides ...	156	— non-staining triphenylmethane pigments for ...	516
— of methyl glucosides and glucuronosides ...	310	resin-type, duplicating media using ...	198
of cross-linking finishes on cotton, resistance to ...	585	thixotropic ...	99
of cyanuric acid esters (desorption of reactive dyes) ...	510	to yield luminous writing ...	198
of formaldehyde-treated cotton, extent of ...	591	-transfer coating compositions ...	56
of hemicellulose components of pine wood ...	156	— synthetic-resin type ...	355
of 2-substituted 4,6-dichloro-1,3,5-triazines ...	510	transfer to paper at high printing speeds ...	633
of vinyl acetate and vinyl benzoate ...	478	water-base stencil duplicating ...	198
<b>Hydrophobic</b> fibres (see Dyeing)		water-soluble, porous-glass chromatography ...	108
<b>Hydrotropy</b> , experiments on ...	585	writing and printing ...	198
<b>Hydroxamic acids</b> , $\alpha\beta$ -unsaturated, polymers and copolymers of	185		
<b>Hydroxy</b> compounds (see Polyhydroxy compounds)			

	PAGE	PAGE	
<b>INKED</b> ribbons, multi-coloured ... ... ... ... ...	312	<b>Lacquer</b> , brown nitro pigments for use in ... ... ...	514
<b>Inkometer</b> , theory of (behaviour of printing ink on rollers) ... ...	151	coatings, nitrocellulose in, effect of pigments on photo-chemical destruction ... ... ...	355
<b>Insecticides</b> , phosphorus, chemistry of ... ...	417	colour-stable, based on vinyl chloride resin and 1,3-butylene adipate ...	250
<b>Insects</b> , rotproofing agents that also impart resistance to ...	566	dioxazine dyes for ...	143
<b>Insolubilising</b> starch and other polymeric hydroxylic compounds ...	64	fluidising agent for ...	197
<b>Inspection</b> machine for fabric ...	134	industry, titanium adhesives in ...	478
<b>Interfaces</b> , properties of ...	519	permanently coloured plastics in ...	627
<b>Interfacial</b> polycondensation, preparation of alcohol-soluble polyamides by ...	256	pigment preparations for colouring ...	518
— stabilisation of wool fabric by ...	431	stoving, problems in use of organic pigments for ...	355
<b>Interlining</b> material, fusible ...	205	<b>Lacquered</b> cloth, diazotype coatings on ...	362
<b>Intermediates</b> (see also Dye)		<b>Lakes</b> for coated papers ...	364
chromophore-containing, improvements in preparation of		polyesters from 9,9-fluorenedicarboxylic acid in ...	207
<b>Iodine</b> sorption, structural studies on cellulose fibres by ...	57	<b>Laminated</b> structures ...	156
<b>Ionisation</b> constants of dyes, determination ...	311	<b>Laminating</b> fabric, fusible interlining material for ...	205
<b>Irgasol</b> SW (Gy) (Pattern Card) ...	181	— to urethane foam ...	303
<b>Irga-Solvent</b> process for dyeing wool ...	252	with polyurethane foam, finishing knitted goods for ...	309
<b>Iridescent</b> pigments ...	630	<b>Lanasyne</b> Carbon BL (S) (Pattern Card) ...	92
<b>Iron</b> , photometric determination in surface-active agents ...	366	<b>Langley</b> system, daylight fastness testing by ...	590
<b>Iron oxide</b> , black, preparation ...	56	<b>Latex</b> , apparatus for saturating wet paper web with ...	477
pigments ...	518	<b>Latices</b> , coloured, determination of dispersity of ...	368
— analysis ...	207	<b>Laundering</b> , home, appearance of wash-and-wear fabrics after	312
— chemistry and technology ...	348	minimising redeposition of soil during ...	184
— nacreous ...	354	of wool fabrics ...	204
— native, ultrasonics in study of aqueous suspensions of	628	<b>Laundry</b> equipment, modern home, use of ...	251
<b>Iron phthalocyanines</b> , role of complex-forming additives in synthesis ...	189	<b>Lauth's Violet</b> , radiosynthesis ...	186
<b>Ironing</b> , brushing, and beating pile fabrics ...	242	<b>Lawson</b> , increasing solubility in water ...	353
<b>Irradiation</b> of natural and synthetic polymers ...	529	<b>Lead</b> chromate-lead molybdate system, new phase in ...	348
<b>Istatin</b> , coupling with azo compounds ...	347	pigments, modern metallic primers ...	578
<b>Isocyanates</b> , mechanism of reaction with alcohols, acids, and water (polyurethane coatings) ...	257	silicochromates as anticorrosive pigments ...	299
octadecyl, water-repellent effect of derivatives of ...	68	<b>Leather</b> (see also Bating, Collagen, Dyeing, Finishing, Mildew-proofing, Neutralising, Pigment finishing, Pretanning, Tanning, Waterproofing, Water-repellent treatment)	
<b>Isoindolinones</b> — azomethine dye intermediates ...	349	action of heat and moisture ...	157
phthaloyl dyes from, for synthetic polymer fibres ...	517	artificial ...	155
<b>Isolan</b> Black GL and RL as basis for dyeing worsted materials (FBy) (Pattern Card) ...	561	chrome, factors affecting stability of ...	365
Brown 4RL (FBy) (Pattern Card) ...	292	chromed hide substance, uptake of vegetable tanning materials by ...	157
dyestuffs (FBy) (Pattern Card) ...	181	determination of chromium in ...	368
Navy Blue GL and RRL (FBy) (Pattern Card) ...	181	5,6-dichloro-2-benzoxazolinone in, colorimetric determination ...	260
Olive Green GG (FBy) (Pattern Card) ...	92, 181	finish characteristics, variations produced by changes in casein-resin ratio ...	365
<b>Isotactic</b> poly- $\alpha$ -olefins, infrared spectra ...	107	full-chrome, mode shades on (ICD) (Pattern Card) ...	293, 562
<b>Isoviolanthrone</b> B, reduction ...	298	impregnating with complex chrome salts of fatty acids ...	365
<b>J</b>			
<b>Janowski</b> reaction, relation between colour and structure in products of ...	567	industry, synthetic resin emulsions in ...	206
<b>Jap ochre</b> , synthetic (iron oxide—silicon ceramic body stains) ...	577	-like coatings, textured ...	243
<b>Japanese</b> dye industry, present and future ...	137	pigment-finished, composition of film on ...	433
<b>Jig</b> , cyclotric (adaptation of jig dyeing process) ...	102	producing coloured patterns on ...	206
<b>Jute</b> (see also Crimping, Dyeing, Sizing)		shoe upper, post tanning processes in manufacture ...	157
fabrics, deterioration in weather exposure and in storage	585	shrunk ...	365
<b>K</b>			
<b>Kaolin</b> , removing iron from ...	197	snuffed chrome, finishing with resin emulsions ...	365
<b>Keratin</b> (see also Setting, Supercontraction, Wool)		sole, wear and abrasion resistance ...	160
effect of immersion in lithium bromide soln. ...	425	spraying with hot solutions of nitrocellulose pigments ...	107
fibres, kinetics of absorption and desorption of single ions by ...	198	substitute ...	155
— set, longitudinal swelling ...	363	untanned, paddle vats for treating ...	183
structure, stabilisation by incorporated water ...	304	vegetable-tanned sole, dialdehyde starch as pretanning agent for ...	587
<b><math>\alpha</math>-Keratin</b> , structure ...	198	water-resistance, measuring ...	260
<b>Ketones</b> , hydroxy-, u.v. absorbers and dye intermediates ...	345	water-soluble matter in, factors influencing determination of ...	160
<b>Kier</b> heating coils, removal of scale from ...	625	<b>Leophen</b> BN (BASF) (Pattern Card) ...	292
<b>Knecht</b> Memorial Fund ...	8	<b>Lepidine</b> derivatives as cyanine dyes ...	464
<b>Knitted</b> fabrics (see also Hosiery, Shrinking, Tubular fabric)		<b>Lepidocroite</b> , synthetic colour of ...	46
— cellulosic-fibre, dimensional stabilisation ...	204	<b>Leucoanthocyan</b> ...	139
— circular-, vat dyeing of ...	581	<b>Levafix</b> dyestuffs (FBy) (Pattern Card) ...	292
— stretch-resistant ...	586	Olive T (FBy) (Pattern Card) ...	92
— tubular, drying and conditioning ...	41	reactive dyes, printing with ...	202
goods (see also Finishing)		Red G (FBy) (Pattern Card) ...	292
<b>Knitwear</b> (see Embossing)		Turquoise GGL (FBy) (Pattern Card) ...	292
<b>L</b>			
<b>Lac</b> dye, dyeing protein and polyamide fibres with ...	60	Yellow 4GL (FBy) (Pattern Card) ...	292
Japanese, properties of coating films of ...	256	<b>Levegal</b> K: Levegal K highly conc. (FBy) (Pattern Card) ...	292
<b>Lace</b> , nylon, resin-finished, removing acetate draw threads from	527	<b>Levelling agents</b> for basic dyes on acrylic fibres and films for disperse or azoic dyeing of polyester fibres ...	135
		for wool dyes—acid esters of amino polyethylene glycols ...	523
		<b>Light fastness</b> of colouring matters in hydrophilic substrates ...	252
		difficulties in assessment of (Correspondence) ...	102
		of disperse dyes in cellulose acetates and polyesters ...	502
		dyeing of different, fading rates on exposure to fluorescent tubes, calculation of (Lecture) ...	200
			209

Light fastness—continued	PAGE	PAGE	
of dyeings, effect of concentration of dye and fixing agent on ...	200	Melamine—dialdehyde starch derivatives ...	185
— and prints, determination of Xenon lamp ...	159	—type finishes, hypochlorite-resistant, further study of ...	633
— on synthetic fibres, improvement by ultraviolet absorbers ...	306	Mélange effects on unchlorinated wool ...	523
of naphthalimide-dyed fabrics, effect of resin finish ...	203	Mercer Lecture ...	8
of organic pigments ...	67, 189	Mercerisation, behaviour of Indanthren dyes in (BASF) (Pattern Card) ...	180
of quinacridone, dibromoanthrone, and quinacridone-quinone pigments, improving ...	575	of cotton, effect on crease resistance and crease recovery ...	304
standards, British dyed-wool, fading rate in daylight (FTCC Sponsored Paper) ...	231	— without tension ...	304
testing, importance of temperature and relative humidity in— a correction (FTCC Sponsored Paper) ...	34	of sheets of threads, large-scale, "quilling" winding system for ...	148
— by Langley system ...	590	Mercerising lye, pinonic acid as wetting agent in ...	135
<b>Light-induced charge transfer in organic solvents</b> ...	43	Mercuric oxide, yellow and red, physical investigation...	349
-scattering properties of pigment suspensions ...	68	Mercury—cadmium sulphide pigments ...	630
-screening agents, 1,3,4-oxadiazoles as ...	94	compounds, diaryl-, rotproofing with ...	634
-sensitive agents: derivatives of 3-alkyl-3'-methyl-spiro-[benzoxazole-2,2'-(2'-H-1'-benzopyran)] ...	249	Merocyanine dye ...	193
-sensitive sheet material ...	205	complexes, neutral ...	142
<b>Lighting, industrial...</b> ...	436	Merocyanines, absorption spectra, sensitivity to solvents ...	347
<b>Linen</b> (see also Bleaching, Dyeing, Dyeing and finishing)		from 5-phenylamino-2-methyl-1,3,4-thiadiazole...	187
yarn, coloured ...		from pyrazolone ...	420
<b>Lingerie</b> fabric, nylon locknit, mode shades on (YDC) (Pattern Card) ...	360	Mesh pattern on substrate...	525
<b>Linoleum</b> ...	460	Metachromasy, physico-chemical basis ...	462
<b>Linra</b> sun-ray test for crease-recovery ...	311	<b>Metal</b> (see also Coating)	
<b>Lipstick</b> dyes, requirements for ...	259	coating of polyvinyl plastics ...	479
<b>Liquids</b> , treating fibrous material with ...	514	coatings, lacquered ...	355
<b>Lissamine</b> Fast Red RH (ICI) (Pattern Card) ...	508	-complex pigments, monoazo ...	571
Ultra Blue ARG and 4G (ICI) (Pattern Card) ...	562	complexes of Solochrome Violet R, physico-chemical properties (Communication) ...	612
<b>Lofting</b> (see Drying)		effect threads in woven and knitted goods...	631
<b>Logwood Black</b> , dyeing polyamide fibres with ...	201	in modified cotton fibres and fabrics, determination ...	589
<b>Lovibond</b> colour system, ideal ...	591	paste pigments ...	354
<b>Lubricant</b> , textile ...	461	pigment coatings, curing composition for...	519
— antistatic agents for use in ...	184	-pigmented alkali-metal silicate coatings, top coating or finish for ...	519
<b>Luminous</b> pigments having increased luminescence ...	628	pigments ...	577
<b>Lustre</b> of viscose rayon fibres, effect of depth of colour ...	520	— producing thin flakes of high brilliancy...	519
<b>Lustrous</b> effects, metallic, on fabrics ...	155	powders, flattening and rolling ...	519
<b>Lycopene</b> , polarisation of electronic transitions of ...	139	surfaces and metal-paint interfaces, nature of ...	249
<b>M</b>		uniformity of deposition on fabric by electrometallisation ...	431
<b>Macadam's</b> trichromatic system, modification ...	531	<b>Metal-complex dyes</b> (see also Basic dyes, Direct dyes, Reactive dyes)	
<b>Macromolecular</b> chains, formation ...	256	azo ...	50
<b>Madder</b> lakes, preparation ...	627	— and azomethine (1:2), spatial arrangements ...	568
<b>Magnesium</b> (see also Anodising)		dyeing and printing nitrogenous fibres with ...	428
— spectrophotometric determination...	434	— for wool ...	50
<b>Malachite Green</b> , absorption spectrum and aggregation ...	158	azoc, brown and black ...	351
biphenyl analogue, steric effects in ...	45	blue disazo direct ...	350
derivatives, acid-base and oxidation-reduction reactions (reactions of triarylmethane derivatives) ...	510	monoazo ...	572
mechanism of decomposition in water ...	419	— brown, from keto derivatives of resorcinol ...	299
radiosynthesis ...	186	— brown pyrazolone, for wool and nylon...	191
synthesis of <i>o</i> -furyl analogue of ...	463	— grey and brown, for wool ...	246
<b>Manganese</b> in titanium dioxide, accelerated method for determining ...	636	— for polyacrylonitrile fibres ...	48
<b>Manifolding</b> sheets, pressure-sensitive, metallic coating of thermoplastic particles for ...	303	— pyrazolone for wool etc...	421
<b>Man-made fibres</b> (see also Finishing, Milling, Scouring, Synthetic-polymer fibres)		— reactive ...	48, 140, 246, 421, 465, 628
recent advances in technology of ...	471	— yellow and brown ...	49
<b>Mangle</b> ...	508	— solvent-soluble ...	50
<b>Manufacturers' Publications and Pattern Cards</b>	40, 91, 180, 292, 459, 561	— for wool, etc. ...	95, 141, 191, 300, 571
<b>Marigold</b> flowers, carotenoids of...	189	— nylon, etc. ...	47, 48
<b>Marking</b> thermoplastic materials with pigment metals...	307	— yellow ...	350
<b>Mass coloration</b> of Capron, benzoylbenzimidazoles, naphthoylbenzimidazoles, and perinones in cellulose acetate ...	571	— yellow, for anodised aluminium ...	48
— brown nitro pigments for ...	301	paper chromatography and polarography ...	636
— phthalocyanine dyes for...	514	reactive disazo ...	246, 422, 466
— and triacetate fibres, pigment preparations for ...	144	triazole azo, for cellulose fibres ...	573
dioxazine dyes for ...	518	tricyclic ...	510
heterocyclic dyes and pigments derived from benz-anthrone for ...	143	— (new metallic, water-insoluble azo dyes) ...	511
of polyethylenes, Ziegler- and Phillips-type, pigments for (ICI) (Pattern Card) ...	352	<b>Metallic</b> appearance, yarns of specular ...	148
of synthetic polymers, dyes for ...	564	lustre, imparting to glass ...	532
of viscose ...	202	lustrous effects on fabrics ...	155
of viscose rayon fibres and films ...	103	<b>Metallisable</b> azo dyes ...	572
		— containing sulphonamide groups ...	140
		<b>Metallised</b> and metallisable monoazo dyes ...	572
		surface, depositing on an article ...	578
		<b>Metameric</b> object colours, counting ...	435
		<b>Metanilamides</b> , substituted, monoazo pigments from ...	350
		<b>Metacrylic</b> acid, sorption by nylon ...	147
		<b>Methine dyes</b> (see also Azomethine dyes, Cyanines, Diazapoly-methine, Disperse dyes, Monomethine, Polymethine, Trimethine)	
		benzidithiylum ...	576
		with pyrrole nuclei ...	194
		for synthetic fibres ...	193
		from tetrahydroxanthylum salts...	95

	PAGE
<b>Methoxy</b> groups, microdetermination	257
<b>Methyl Green</b> , chromatographic fractions	138
<b>Methyl Red</b> , acid-base equilibrium	568
<b>Methylene Blue</b> , mechanism of radiation-induced oxidation-reduction	348
photoreduction in presence of inorganic ions	244, 512
radiochemical synthesis	186
and related compounds, electron spin resonance spectra	464
<b>Methylene</b> compounds, reactive: condensation of benzene- $\alpha$ -diketones with phenylhydrazine	186
<b>Methylolamide</b> water-repellent agent	136
<b>Methylolmelamine</b> , formic acid colloid of, crease- and muss-resistant finish for cotton using	307
<b>Methylolphosphorus</b> polymers, flame-resistant agents from	136
<b>Micrococcin P</b> , chemistry of	45
<b>Microthol</b> Bordeaux R-T ( <i>ClBA</i> ) ( <i>Pattern Card</i> )	450
<b>Micro-organisms</b> , control in processing and cooling waters	134
<b>Microscopy</b> , ultraviolet, of fibres and polymers	259
<b>Mildewproofing</b> fabrics, errors in estimation of copper-8-quinozinolinate in	436
<b>Mildewproofing</b> agents	94
— copper chelate co-ordination complexes	185
— organosilicon	296
cellulosic yarns and fabrics	526
leather with 5,6-dichloro-2-benzoxazolinone	206
<b>Mildew-resistance</b> , crease-resistance, and resilience, imparting to cellulosic fabric	432
<b>Milletta stuhmannii</b> , colouring matter from	571
<b>Milling</b> agent, monoethanolamine bisulphite	509
fabrics containing synthetic-polymer fibres	634
machine	93
— for hats	344
man-made-fibre fabrics	155
shrinkage of wool flannel, analysis of functions of deposits of polymers in modifying ( <i>Communication</i> )	404
<b>Milori Blue</b> , dispersion in high-speed impeller mixers	354
washing	465
<b>Minimum-iron</b> properties, attainment in cellulosic materials	259
<b>Modifying</b> cellulose and secondary cellulose acetate textiles with halogeno-1,3,5-triazines	309
cellulosic textiles, films, etc.	526
polyamide fibres	364
wool in dimethylformamide with mono- and di-isocyanates	308
<b>Mohair</b> pile astrakhan, dyeing for embossing	306
<b>Moistening</b> of fabric, controlled	508
<b>Moisture</b> in textile materials, determination	530
<b>Molecular sieves</b>	366
<b>Molten</b> metal and fluidised bed machine, combined	294
<b>Monastral</b> Fast Blue BGS Powder ( <i>ICI</i> ) ( <i>Pattern Card</i> )	181
Fast Green 6Y, GTP ( <i>ICI</i> ) ( <i>Pattern Card</i> )	293
<b>Monoazo</b> dyes ( <i>see also</i> Acid dyes, Basic dyes, Direct dyes, Disperse dyes, Metal-complex dyes, Reactive dyes)	
from 4-( <i>p</i> -aminophenoxy)diphenyl sulphide or -diphenyl sulphone and 4-( <i>p</i> -aminophenoxy)diphenyl ether	626
blue, soluble, for cellulose acetate, etc.	572
chemical constitution and dyeing properties on vinylon... containing a cyanuric ring	149
and disazo dyes, water-insoluble	300
-disazo dye-metal complexes for wool	51
-metal complexes, mixed—dyes for wool...	96
metallised and metallisable...	191
with phosphoric ester group—soluble dyes for cellulose acetate	572
for polyacrylonitrile fibres, having hydrolysable <i>N</i> -sulpho groups	465
production on fibre from diazo or coupling components which react with cellulose	571
pyrazole, yellow	300
quaternary ammonium salts of	246
related to Naphthol AS from phthalimide and <i>N</i> -phenyl-phthalimide	246
water-insoluble	50
water-soluble quaternary ammonium salts of	350
<b>Monoazo</b> pigment and azoic dye, red	350
and disazo pigments and azoic dyes	574
pyrazolone, yellow	421
with quinoline residue	421
red, containing pyrene residues	191
from substituted metanilamides	350
yellow and brown	50
yellow and red	421, 466
<b>Monochrome</b> Olive Brown G ( <i>LBH</i> ) ( <i>Pattern Card</i> )	400
<b>Monomethine</b> -cyanines, benzothiopyrrolo-(2)-, preparation by condensation of thiocromone	347
dyes containing pyrazolone ring	193
trimethine and rhodacyanine dyes	194
<b>Monopersulphuric</b> acid salt, use in bleaching	471
<b>Mopersulphates</b> , bleaching in presence of manganese with	472
<b>Mordant</b> dyes anthraquinone, degradation in methanol	245
<b>Mothproofing agents</b> , aminobenzoic acid derivatives as evaluation, comparison of principal test methods for increasing solubility in water of	591
polymeric quaternary phosphorus compounds as	566
trifluoromethylarylsulphonamides as	566
<b>Mould-resistant</b> paper	65
<b>N</b>	
<b>Namakochrome</b> , conversion into Spinochrome E	513
<b>Naphthalenes</b> , 1,1', 1,2'- and 2,2', acid rearrangement of hydrazo, acid rearrangements of mixtures of	567
<b>Naphthalenesulphonic</b> acids, kinetics currents in reduction of Naphthanilide-dyed fabrics, effect of resin finishing on colour and light fastness	567
<b>Naphthofuranidine</b> vat dyes	203
<b>Naphthol</b> , 1- and 2-, phosphorescence spectra	143
concentration, initial, in azo dyeing, estimation of	529
<b>1,4-Naphthoquinone</b> , monophenylhydrazones of	513
<b>Naphthoquinones</b> , 2-anilino-1,4-	188
mono- and poly-hydroxy, increasing water-solubility of polyhydroxy-, paper chromatography	353
<b>Naphthoquinonineimine</b> dyes, kinetics of reaction with nucleophilic reagents in alkaline solution	529
<b>Naphthoylene</b> -benzimidazole dyes	54
diarylbenzimidazole vat dyes	518
<b>Naphthol AS</b> dyeing, derivatives of aminoazobenzene as diazo components in	187
— fifty years of	187
series, stability at high temperatures of solutions of fast dye salts of diazotised fast bases of	569
<b>Neps</b> in dyed cotton piece goods, kinds of	305
<b>Neutralan</b> dyes, dyeing polymethyl methacrylate with	582
<b>Neutralising</b> and curing chrome-tanned leather simultaneously	107
<b>Neutrogen</b> dyes, printing with	137
<b>New Books</b> and publications	39, 91, 132, 179, 238, 290, 339, 457,
	506, 560, 621
received	241, 458
<b>Nickel</b> -chelate pigments	517
<b>Ninhydrin</b> reaction on filter paper, mechanism of	510
<b>Nitro</b> pigments, brown, for colouring rubber and plastics	514
<b>Nitrocellulose</b> ( <i>see</i> Lacquer coating)	
<b>Nitrogenous fibres</b> ( <i>see also</i> Colouring, Dyeing, Dyeing or printing, Nylon, Wool)	
colouring with phthalocyanine dyes	55
stabilising against ultraviolet radiation	155
<b>Nitron</b> ( <i>see</i> Dyeing)	
<b>Non-woven</b> ( <i>see also</i> Bonded-fibre)	
battings, Dacron fiberfill, spray-bonded, determination of acrylic resin content of	532
fabrics	356
— and methods of web formation	304
— evenly dyed, preparation and properties	521
fibre fleeces ( <i>see</i> Shrinking)	
<b>Nylon</b> ( <i>see also</i> Bleaching, Delustring, Dyeing, Lace, Nitrogenous fibres, Polyamides, Printing)	
acid and direct dyes on ( <i>YDC</i> ) ( <i>Pattern Card</i> )	182
aqueous dispersions of	43
fabric, radiation-induced grafting of styrene to	147
filaments of improved dye-receptivity	357
locknit lingerie fabric, mode shades on ( <i>YDC</i> ) ( <i>Pattern Card</i> )	460
processing	579
<b>Serisol</b> and Serinyl dyes on ( <i>YDC</i> ) ( <i>Pattern Card</i> )	182
sorption of methacrylic acid by	147
—wool-ski-elast fabric, manufacture and finishing	356
yarn, skin and core, staining technique for study of	67
<b>Nylon 6</b> ( <i>see also</i> Photo-oxidation, Polycaprolactam)	
adsorption of acid azo dyes	359
chemically induced crimping and helical coiling in fibres, relation between physical structure and dyeability	38
— relation between surface-charge density and dye adsorption	102
and related polymers, review	473

	PAGE		PAGE
<b>Nylon 6.6 (see also Photo-oxidation)</b>		<b>Paint—continued</b>	
graft copolymers, dyeable	580	primer, lead pigments in	578
stability to light and heat: behaviour in presence of fatty acids	357	— for wood	630
thermal behaviour	579	reducing tendency of Red Lead to settle out in	303
<b>O</b>		with rust-removing and rust-inhibiting properties	356
<b>Obituary notices</b>	287, 338	solar reflectivity	146
<b>Odour</b> , preventing development in material treated with thermosetting aldehyde resins	309	stabilising against thickening or livering	355
<b>Oil black</b>	470	systems, selection of solvents for	354
and Colour Chemists' Association Fourteenth Technical Exhibition	236	technical developments in 1961	197
-repellent and water-repellent finish on cellulosic materials	477	thixotropic agents in	519
spots, removal from woven fabrics	426	-tinting colour bases	519
stains, analysis on cotton by infrared spectrophotometry	159	titania-based, durability	190
and water-repellent finish fast to washing and drycleaning	634	vehicle having fungicidal properties	249
and water-repellent fluorocarbon finishes for cotton	431	water-base, substituted polyacrylamides as thickeners	42
<b>Olney</b> Medal, 1962 Award	506	weather-resistant synthetic resin	197
<b>Orange I</b> , identification and determination	589	<b>Painting</b> asbestos-cement substrates	146
<b>Orasol</b> Brown GR ( <i>CIBA (Pattern Card)</i> )	459	wood	260
<b>Orcein</b> pigments; synthesis and rate of acetylation of $\alpha$ -aminoisooxacin	299	<b>Palette</b> No. 7, 8 (S) ( <i>Pattern Card</i> )	294
<b>Organophosphorus</b> compounds and carotenoids therefrom	299	<b>Paper</b> (see also Brightening, Coating, Colouring, Drying, Dyeing, Fungicidal, Gaseous treatment, Sizes, Sizing, Stretching, Waterproofing)	
<b>Organopolysiloxanes</b> , vaporised, treating fine powders with	184	cast-coated	255
<b>Orlon</b> (see Dyeing)		coated	528, 634
<b>Ortolan</b> Navy Blue BR and G Special ( <i>BASF (Pattern Card)</i> )	561	— determination of polyvinyl resins used in	591
Red 4B; Ortolan Bordeaux 2R; Ortolan Red Brown 4R ( <i>BASF (Pattern Card)</i> )	180	— lakes for	364
<b>Oscillator</b> strength of polymethine dyes, dependence on steric configuration	479	coloured, problem of two-sidedness in	587
<b>Oxadiazoles</b> , 1,3,4-, as light-screening agents	94, 296	festooned, automatic control of development	625
2,5-diphenyl-1,3,4-, disazo direct dyes from	297	of good tensile strength in presence of aqueous alkali	528
<b>Oxidation</b> bases, aromatic aminohydroxyl	469	graft-polymerised	255
— for hair dyeing	198, 303	high-gloss	310
of carbon black	470	impregnation (impregnated fibrous sheets)	527
of cellulose by ceric salt and graft polymerisation	356	of improved stiffness	634
of cotton, mild hypochlorite	148	industry, surface characters and surface-active agents in	310
— periodate, effect on tensile strength	250	from inorganic fibres	527
dyes, colour reaction of intermediates of	158	metallised	65
of triphenylmethane dyes, anodic	627	mould-resistant	65
<b>Oxindole</b> azomethine dyes, substituted, colour of	45	opacity, effect of dyes on	106
<b>Oxy cellulose</b> , periodate, derivatives of	156	and paperboard, brightness, measuring	636
<b>Ozone</b> resistance of rubbers, evaluation and factors affecting	157	pigment coating composition for	527
<b>P</b>		pigmented	255
<b>Package</b> dyeing, bobbin for use in...	416	pigments for	56
— support for yarn packages in	182	polyethylene-coated	475, 528
— of wool, advantages of	148	printed, coating for	310
<b>Padding</b> machines, pressure rollers for	344	rendering non-adherent	156
<b>Paint</b> , artists', vehicle for	146	starch-coated	528
black antifouling boot-topping	356	surface-coated	255
dispersion having fungicidal and bactericidal properties	478	titanic-hydroxide-containing	65
emulsion	250	transfer of ink at high printing speeds to	633
— five-year exposure study	146	vapour deposition of aluminium on	106
— linseed-oil, with increased stability to driers and pigments	578	web, wet, apparatus for saturating with latex	477
— stability of (behaviour of pigments in aqueous dispersions)	145	wet-strength, containing polymeric dialdehydes	634
— zinc oxide in	519	<b>Papermaking</b> fibres (see Coating)	
exterior house, extenders in	146	<b>Papin</b> and his new digester	160
films, artificially weathered, electron microscopy	578	<b>Patents</b> , common, possible development of	337
— formation	519	<b>Pattern Cards</b> (see Manufacturers' Publications)	
— latex flat, influence of extender blends on properties	354	<b>Patterned</b> textile fabric	633
— passivating properties of pigments in, investigating	303	<b>Pearl Essence</b> , coloured natural or synthetic	470
hiding power, determination of (Pfund Cryptometer)	159	<b>Pearlescent</b> plastic sheet	366
industry, cationic chemicals in	135	sheets, cast synthetic, having fixed pattern	636
— role of surfactants in	197	<b>Pelleting</b> carbon black	145
lead chromes in ( <i>ICI (Pattern Card)</i> )	563	<b>Pelts</b> , animal, fleshing machine for	157
lithopone and zinc sulphide, exterior durability	197	<b>Pentecost</b> S J ( <i>Obituary notice</i> )	338
materials, spreading power, measurement of	258	<b>Peracetic</b> acid, manufacture and uses	243
— metal interfaces, nature of	249	<b>Perapret</b> HV ( <i>BASF (Pattern Card)</i> )	180
metamerism in	435	<b>Perfluorocarbon</b> resin surfaces, inks for marking	303
multicoloured	424	<b>Peridicarboxylic</b> acid imide reactive dyes	143
passivating pigments in, electrochemical determination	158	<b>Perlon</b> (see Fluorescent brightening)	
permanently coloured plastics in	627	<b>Permanent</b> waving of hair	185, 586
pigment volume concentration in, variability in...	354	<b>Peroxides</b> in cellulosic materials, spectrophotometric estimation	312
pigmentation, effect on life of	578	rapid detection of traces in ethers	107
pigments for	56	<b>Perylene</b> pigments	576
		series, basic dyes of	358
		tetracarboxylic acid (see also Disperse dyes)	
		— di-imide dyes and pigments	194
		— pigments, red	468
		<b>Petrol</b> (see Colouring)	

PAGE	PAGE
<b>pH (see also Dyebath pH)</b>	
measurements from 0 to 95°C, revised standard values for	433
<b>Phenanthrene</b> dyes	419
<b>Phenol</b> , kinetics of reaction with formaldehyde	433
<b>Phenosafranine</b> , radiosynthesis	186
<b>Phenylenediamines</b> , derivatives of— colour developers	402
spot tests for	434
<b>Phenyldiazine</b> , <i>N</i> -1-naphthyl- <i>N'</i> -, acid rearrangement	567
<i>N</i> -2-naphthyl- <i>N'</i> -, acid rearrangement	568
<b>Phobetox</b> FT and FTS (Ciba) ( <i>Pattern Card</i> )	181
<b>Phosphates</b> , alkyl, studies of substitutivity to textiles	53
ortho-, pyro-, and tripoly-, determination	207
and polyphosphates, effect on solubilising ability of detergents	135
<b>Phosphinic acid</b> compounds—flame-retardant agents	136
<b>Phosphocyanine</b> dyes, synthesis	95
<b>Phosphorescence</b> spectra of 1- and 2-naphthol	529
<b>Phosphorous acid</b> , per-compounds of acylation products of	626
<b>Phosphorus</b> compounds, quaternary organic, as flame-resistant agents	136
-containing anthraquinone dyes for cellulose acetate	351
-containing dyes	188
insecticides, chemistry	417
<b>Phosphorylation</b> of cellulose (cellulose derivatives that do not exhibit after-glow)	432
<b>Photochemical</b> processes in dyes, transient measurements in	45
<b>Photochemistry</b> , industrial	592
<b>Photoconductivity</b> of CdS films, sensitisation by dyes	160
<b>Photodegradation</b> of fibres, effect of structure of vat dyes on	45
<b>Photoelectric</b> studies of organic dyes	346
<b>Photographic</b> azo dye developers	104
colour developers, derivatives of phenylenediamine as	462
dye imbibition process	362
films, polymerisable acrylamido dye intermediates for	139
layers, supersensitised, for silver-dye bleach process	152
materials, yellow dyes for use in	246
paper (see Drying)	
<b>Photography</b> (see also Colour photography)	
electro-, process of and materials for	152
<b>Photometry</b> (see also Spectrophotometry)	
heterochromatic, new photometer for visual	67
<b>Photo-oxidation</b> of nylon 6 and nylon 6.6	579
<b>Photosensitising dyes</b> (see Cyanine dyes, Methine dyes)	
<b>Photosensitive</b> properties, cyanine dyes having	467
sheet	62
<b>Phthalain</b> (see also Sulphonphthalain)	
dyes, from 1,2-cyclohexanedicarboxylic acid	94
— effect of methyl groups and of decreasing unsaturation in phthalic acid portion of	511
— substituted	423
<b>Phthalic acid</b> , aminonaphthoquinone derivatives—red pigments	423
— 4,5-dimethyl- $\Delta^4$ -tetrahydro-, dyes derived from anhydride, vat residues in production of	511
<b>Phthalimide</b> dyes, new	244
<b>Phthalocyanine</b> , chlorinated	55
copper benzene-	139
copper, chlorinated	353
chlorination in pseudo-liquid layer	348
— finely dispersed, highly chlorinated, for mass colouring synthetic-polymer fibres	303
— precursors of, in printing pastes	202
— sulphonated, dyeing nitrogenous fibres with	306
— tetrakis(2,3-pyridino)porphyrazine, nitrogen isologue of	46
— 4,4',4'',4'''-tetraphenyl-, new synthesis	46
dyes (see also Reactive dyes)	
— colouring nitrogenous fibres with	55
— dischargeable	144
— with halogenomethyl groups	577
— for mass coloration of cellulose acetate	144
— with methylol groups, water-soluble	423
— quaternised	302
— water-soluble, for cellulose	55
Green, dispersion in high-speed impeller mixers	354
and haematoxylin, formation of unstable forms by	
flash illumination	95
highly dispersed	144
iron, synthesis, mechanism of catalytic activity of	
complex-forming additives in	348
metal, absorption spectra in sulphuric acid	46
— halogenated precursors of	353
— peroxide bleaching catalysts	426
<b>Phthalocyanine—continued</b>	
pigments, non-flocculating	353
— polymeric	144
— which do not crystallise in aromatic solvents	98
precursors, benzphenyl metal	55
preparation from di-iminoisoindolines	189
review of	623
synthesis, role of complex-forming additives in	180, 348
<b>Phthaloyl</b> isoundolene dyes for synthetic-polymer fibres	517
<b>Physiological</b> properties of clothing, effect of finishing	204
<b>Pigment</b> content of vat-dye pastes, determination	589
dispersion in rubber, evaluating	480
finishing leather with benzanthrylaminonaphthoquinones	528
metals, marking thermoplastic materials with	307
natural, prodigiosine-like, from <i>Streptomyces longisporus</i>	
rubber	348
pastes, production of printing inks from	355
preparations	518
— containing water-insoluble hardenable resins for pigment dyeing and printing	62
suspensions, dispersed, thickening by temporarily aggregating with polyacrylamide	99
— light-scattering properties	68
— vehicle interface	519
volume concentration, variability in paint	354
<b>Pigments</b> (see also Bonding, Conditioning, Dispersing, Grinding, Monoazo pigments, Settling)	
adsorption modification, and formation of structure in polymer solutions	256
anthraquinone	97
artists', chemistry and physics	177
azo, containing hydrophilic groups, effect of components on thermal stability	44
barium metaborate	99
biflavonoid, chromatographic separation	258
calculation of critical pigment volume concentration coloured, by substituting cations in rutile structure	159
corrosion protection with	56
daylight fluorescent	139, 628
diaminodianthraquinonyl	248
dioxazine	143
dispersing agents for, organo-zirconium compounds as	197
dispersions for synthetic resins and rubbers	99
effect on photochemical destruction of nitrocellulose in laquer coatings	355
effect on structure formation in concentrated solutions of alkyd resins	145
extender surface area-pigment volume concentration relationships for	145
fixing on fibrous materials and foils	524, 584
formation by reaction of $\text{SiO}_2$ , $\text{ZrO}_2$ , and $\text{V}_2\text{O}_5$	420
historical discussion	177
inorganic, dispersing agents for	510
iridescent	630
micronised, dispersion by high-speed stirring	354
nickel-chelate	517
organic, introduction to ( <i>Lecture</i> )	222
— light fastness	180
— and mineral, behaviour in aqueous dispersions of high polymers	145
organometallic dispersing agents for	424
particle size, reducing	470
passivating properties in paint films, investigating	303
phthalocyanine	98
2,3-phthaloylpyrrocoline	575
in pigmented compositions, identification and estimation by reflectance spectrophotometry	479
for plastics, paper, paints, etc.	56
powdered, flushed	354
quinacridone	142
red, aminoanthraquinone derivatives of phthalic acid	423
— 4,4'-diamino-1,1'-dianthraquinonyl	195
— from 2-phenyl-4(5)-imidazolone	570
relation between absorption of liquid and void volume of	630
role in protective coatings: a source of protection or danger	630
selection for industrial finishes	145
stable aqueous dispersions of	354
in stoving lacquers, problems of	355
technical developments in 1961	197

PAGES	PAGE
<b>Pigments—continued</b>	
trends in ... ... ... ... ...	245
from urea ... ... ... ...	300
white, estimation of $TiO_2$ and $BaSO_4$ in ...	207
— flaked calcium silicate ...	249
— hiding power; theory and measurement ...	158, 258
<b>Pigmentation</b> , effect on life of paints ...	578
of polyester varnishes ...	355
<b>Pigmented fibres</b> of increased adhesion to rubber ...	527
<b>Pile fabrics</b> (see also Dyeing, Dyeing or printing, Ironing, Printing)	
correcting unevenness of colour in ...	101
machine for dyeing ...	183
needed, having coloured pattern ...	580
ornamental effects on ...	65
re-erecting thermoplastic pile of ...	65
<b>Pile</b> , formation on adhesive surface ...	416
<b>Pinacyanol</b> , spectrophotometric determination ...	158
<b>Pinakryptol Green</b> , spectrophotometric determination ...	158
<b>Pinonic acid</b> as wetting agent in mercerising lye ...	135
<b>Plastic</b> compositions, applying to fabrics	
— incorporating powders in ...	529
films, printed ...	529
moulding compositions, pigment preparations for colouring ...	518
sheets, decorative ...	588
— pearlescent ...	366
— or plastic-coated fabrics permeable to air ...	636
surface covering, decorative ...	311
<b>Plasticisers</b> , analysing by thin-layer chromatography ...	258
effects on pigments (behaviour of pigments in aqueous dispersions) ...	145
interaction with polymers ...	256, 478
polyfluorocyclobutanone, for ester addition polymers ...	417
<b>Plastics</b> (see also Flame-resistance)	
annual review ...	107
coloured cast pearl ...	529
flame-resistant, aminophosphoric or thiophosphoric esters and amides as intermediates for ...	...
industry, European, recent developments in ...	...
permanently coloured ...	...
pigments for ...	...
<b>Pologen</b> dyes ...	
<b>Polyacrylonitrile</b> (see also Acrylic, Acrylonitrile, Dyeing, Dyeing or printing)	
analytical investigation on treatment with sulphuric acid cyanine dyes for ...	425
diazacarboxyanine dyes for ...	467
diazopolymethine dyes for ...	193
fibres, characteristics ...	193
— physico-chemical changes after dry-heat treatment ...	
— physico-chemical changes after wet-heat and saturated-steam treatments ...	586
and polymethacrylonitrile, thermal discoloration ...	425
<b>Polyalkylene ethers</b> (see also Bleaching)	
<b>Polyamides</b> (see also Delustring, Dyeing, Modification, Nylon, Polycaprolactam, Printing)	
alcohol-soluble, preparation by interphase polycondensation ...	256
delustred and stabilised ...	250, 520
disulphide-cross-linked self-crimping ...	199
— fibre shirtings, knitted, finishing ...	586
fibres, dyestuffs for ( <i>Fran</i> ) ( <i>Pattern Card</i> ) ...	91
— protecting against u.v. degradation ...	147
— reaction with vinyl sulphone reactive dyes ...	359
filaments, polyhexamethylene adipamide, delustred and stabilised ...	250, 520
fluorescent brightening agents for ...	98
new (formation of macromolecular chains) ...	256
— polyester mixture fabrics, relief effect on ...	477
solvents for ...	43, 566
treatment of wool fabrics with, to impart shrink-resistance ...	64
yarns, crimped, estimation of degree of set ...	208
<b>Polyazo</b> dyes (see also Direct dyes, Reactive dyes)	
carbazole, synthesis ...	137
<b>Polyacrylamide</b> fibres cross-linked by alkylene sulphide, macroscopic deformations ...	304
disulphide and methylene sulphide cross-links in, determination of methylene groups in ...	590
having disulphide and alkylene sulphide cross-links, determination of thiol groups in ...	435
<b>Polycarbonate</b> fibres ...	580
thermoplastic, colour stabilisation ...	366
<b>Polyester</b> (see also Bleaching, Coloration, Dyeing, Dyeing and finishing, Dyeing or printing, Fluorescent brightening, Polyethylene terephthalate, Printing, Prints, Water-proofing)	
coloured ...	310
dyeability, improving ...	631
fibre, disperses dyes on, dyeing conditions and saturation values of ...	149
— effect of modifications of structure on textile and dyeing properties ...	250
— fast dyeings and prints on ...	523
— levelling of disperse dyes on ( <i>Correction</i> ) ...	201
grafted, having good dyeing properties ...	150
light fastness of disperse dyes in ...	200
mass-coloured ...	304
— polyamide mixture fabrics, relief effect on ...	477
preparation from 9,9-fluorenedicarboxylic acid ...	207
properties of fabrics from mixtures of cotton and resin, pigmented, reaction behaviour ...	476
varnishes, pigmentation ...	256
<b>Polyestren</b> dyes, dyeing cellulose-polyester fabrics with; dyeing wool-polyester fabrics with ...	149
machine prints on polyester fabrics with ( <i>CFM</i> ) ( <i>Pattern Card</i> ) ...	91
<b>Polyethylene</b> (see also Mass coloration, Polyolefins, Printing)	
chlorinated, flame-sprayed coatings of ...	424
— coated paper ...	528
coating on paper (transfers) ...	475
dispersing carbon black in (dispersing pigment in plastic material) ...	257
effect on textile properties ...	526
emulsions—multi-purpose fabric finishes ...	509
films, wettability, improving ...	478
interaction with sulphur ...	157
as surface protector ...	588
<b>Polyethylene oxide</b> as warp size ...	
<b>Polyethylene terephthalate</b> (see also Delustring, Dyeing, Polyesters)	
improving dyeing properties of ...	58
<b>Polyglycol</b> ethers of fatty alcohols, determination of degree of oxyethylation of ...	434
<b>Polyhydroxy</b> compounds on cellulose, thin-layer chromatography of ...	588
<b>Polymer</b> -dye reaction products ...	516
latices, preparation for textile industry ...	588
science in the University ...	131
solutions, formation of structure in ...	256
<b>Polymeric</b> substances, oriented, structure of ...	100
<b>Polymerisation</b> (see also Emulsion polymerisation)	
new methods of ...	66
radiation-induced, of vinyl monomers on fibres, formation of orientated structure during ...	478
stereospecific ...	456
of vinyl monomers in cellulose fibres ...	308
<b>Polymers</b> (see also Adhesion, Discoloration, Dispersion, Irradiation, Mass coloration, Radiolysis)	
aldehyde ...	206
containing phosphorus, carbon, and silicon ...	257
crystalline state, morphology of ...	587
effect on milling shrinkage of wool flannel ( <i>Communication</i> ) ...	404
fluorescence spectra ...	433
formation on wool: polymethylene ( <i>Communication</i> ) ...	407
hydroxyl organic, making water-repellent with sulphur tetrafluoride ...	254
interaction with plasticisers ...	256
qualitative and spot tests for ...	436
resistance to ultraviolet degradation, measurement of ...	160
ultraviolet microscopy ...	259
<b>Polymethine</b> dyes ...	516
branched, light absorption ...	420
diazo-, for polyacrylonitrile ...	193
from diphenylamine and $\beta\beta'$ -dinaphthylamine ...	245
from ketones and carboxylic acid amides of 1,3,3-tri-methyl-2-methyleneindoline ...	420
steric configuration, determination of ...	479
<b>Polymethyl methacrylate</b> (see also Dyeing)	
effect on milling shrinkage of wool flannel ( <i>Communication</i> ) ...	404
<b>Polymethylene</b> , formation on wool ( <i>Communication</i> ) ...	407

	PAGE
<b>Polynonic fibres</b> (new rayon fibres) ... ... ... ... ...	470
structure ... ... ... ... ...	303
<b>Polyolefins</b> ( <i>see also</i> Colouring, Crease-recovery, Dyeing, Grafting, Polyethylene, Polymethylene, Polypropylene)	
disazo dyes for ... ... ... ... ...	97, 350, 466, 573
dis- and tri-azo dyes for ... ... ... ... ...	422
dyebath grafted ... ... ... ... ...	100
fabrics having pockets or depressions ... ... ... ... ...	65
fibres dyeable ... ... ... ... ...	151, 357
— of good affinity for acid dyes ... ... ... ... ...	147
— increasing affinity for basic and acid dyes ... ... ... ... ...	100, 357
stabilising to ultraviolet radiation ... ... ... ... ...	257
stereoregular, improving affinity for dyes of ... ... ... ... ...	58
trisazo dyes for ... ... ... ... ...	629
<b>Poly-<math>\alpha</math>-olefins</b> , isotactic, infrared spectra ... ... ... ... ...	107
<b>Polyoxyethylene-<i>N,N',N'</i>-bis(ethyleneurethane)s</b> , treatment of viscose rayon fabrics with ... ... ... ... ...	105
<b>Polypeptides</b> , $\alpha$ -helical, conformation-dependent Cotton effect in ... ... ... ... ...	198
<b>Polypophosphates</b> , adsorption on cotton cellulose and effect on soil deposition ... ... ... ... ...	59
<b>Polypropylene</b> ( <i>see also</i> Dyeing, Heat-treatment, Polyolefins)	
enhancing affinity for printing inks ... ... ... ... ...	257
fibres ... ... ... ... ...	58
— Clirrosol GM processing aid for (ICI) ( <i>Pattern Card</i> ) ... ... ... ... ...	293
— solvent for, in analysis of mixtures ... ... ... ... ...	311
— weather-resistance ... ... ... ... ...	147
<b>Polypyrromellitimides</b> : new class of thermally stable polymer ... ... ... ... ...	635
<b>Polyquaternary</b> , fibres and films of ... ... ... ... ...	471
solvent for, aqueous 1,1,1-trichloro-3-nitro-2-propanal as	
<b>Polyquaternary ammonium compounds</b> for improving fastness of direct dyes ... ... ... ... ...	184
<b>Polysoaps</b> , cationic, properties of ... ... ... ... ...	242
<b>Polystyrene</b> ( <i>see also</i> Embossing, Resins)	
coloured latices, determination of dispersity of ... ... ... ... ...	368
<b>Polytetrafluoroethylene</b> ( <i>see also</i> Bleaching)	
— siloxane compositions ... ... ... ... ...	107
<b>Polyurethane</b> ( <i>see also</i> Colouring, Laminating)	
coating compositions ... ... ... ... ...	99
coatings and their basic chemistry ... ... ... ... ...	257
coloured ... ... ... ... ...	310
composition, coating fabric with ... ... ... ... ...	309
development and uses ... ... ... ... ...	207
plastics, coloured ... ... ... ... ...	257
— improving flame resistance ... ... ... ... ...	158
solvents for ... ... ... ... ...	43, 566
<b>Polyvinyl acetate</b> ( <i>see also</i> Saponification)	
coating composition for fibrous materials ... ... ... ... ...	136
<b>Polyvinyl alcohol</b> ( <i>see also</i> Carboxymethylation, Crease recovery, Crimping)	
fibres, benzaldehyde-treated, carrier dyeing ... ... ... ... ...	360
— effect of unsaponified acetyl groups on properties ... ... ... ... ...	425
— of good substantivity for direct and basic dyes ... ... ... ... ...	471
— graft copolymerisation of styrene to ... ... ... ... ...	199
— improving dyeability and resistance to alkali ... ... ... ... ...	147
— mixed acetalisation with benzaldehyde and formaldehyde ... ... ... ... ...	425
— partially dimethylaminocetacalised, dyeing properties ... ... ... ... ...	360
— from polyvinyl acetate polymerised at low temperature ... ... ... ... ...	199
— relation between formalisation conditions and knot strength ... ... ... ... ...	360
filament of improved affinity for acid and afterchrome dyes ... ... ... ... ...	426
sizing finish, application in combination with reactive dyes ... ... ... ... ...	475
tetrahydrofurfuroxyacetalised, quality and properties of fibres derived from ... ... ... ... ...	426
textiles, tone-in-tone effects with reactive dyes on ... ... ... ... ...	150
<b>Polyvinyl-<i>n</i>-butylboronate</b> ( <i>see</i> Dyeing)	
<b>Polyvinyl chloride</b> ( <i>see also</i> Embossing)	
anthraquinone pigments containing triazinyl radicals for colouring ... ... ... ... ...	467
coating metal with ... ... ... ... ...	205
and copolymers, heat-stabilisers for ... ... ... ... ...	529
effects of $\alpha$ -triazine derivatives on stability of ... ... ... ... ...	257
fibres, increasing affinity for basic dyes ... ... ... ... ...	100
pastes, gelatinisation and properties of films from ... ... ... ... ...	478
— preparation and properties ... ... ... ... ...	256
red monoazo pigments for ... ... ... ... ...	191
<b>Polyvinyl glycolic acid ether</b> , properties ... ... ... ... ...	66
<b>Polyvinyl plastics</b> ( <i>see</i> Coating)	
<b>Polyvinylpyridine</b> , interaction between anionic dyes and ... ... ... ... ...	427
<b>Polyvinylpyrrolidone</b> , solvent for, aqueous chloral hydrate as	566
<b>Polyvinyl resins</b> used in paper coating, determination ... ... ... ... ...	501
<b>Polyvinylidene chloride</b> and copolymers, heat-stabilisers for ...	
<b>Polyvinylidene cyanide</b> fibres ( <i>see also</i> Dyeing)	
<b>Pore</b> structure, determination by photographic photometry ...	66
<b>Porphyrins</b> and chlorophylls, biosynthesis ... ... ... ... ...	46
photoreduction, structure of products of ... ... ... ... ...	513
pigments, petroleum, precursors of ... ... ... ... ...	46
<b>Preboarding</b> ( <i>see</i> Drying)	
<b>Preservative</b> agents, finishing textiles with, and evaluation of finish ... ... ... ... ...	259
<b>Pretanning</b> , vegetable one-bath, in buffered solutions ... ... ... ... ...	255
<b>Primasol FP</b> (BASF) ( <i>Pattern Card</i> ) ... ... ... ... ...	180, 292
<b>Primazin</b> dyes in textile printing ... ... ... ... ...	584
<b>Printable</b> fabrics coated with vinyl resins ... ... ... ... ...	309
<b>Printed</b> fabrics, flock, fastness of ...	
patterns, electrostatic application ... ... ... ... ...	525
plastic films ... ... ... ... ...	152
<b>Printing</b> ( <i>see also</i> Calico printing, Coating and printing, Flash ageing, Thickening agents)	
Acrilan, discharge ... ... ... ... ...	307
with azoic dyes ... ... ... ... ...	524
— from Rapidogenes to Neutrogens ... ... ... ... ...	137
blanks, mordanted, for imbibition dye printing ...	
cellulose, with reactive dyes, fast prints obtained by	
— with 50% Sinagen dye solutions ... ... ... ... ...	253
cellulose esters of low hydroxyl content ... ... ... ... ...	475
Cibacron dyes, accelerated developing in ...	
colour films, suppression of Newton's rings in	
compositions, azoic, stabilised ...	
— pigment ...	
cylinders, apparatus for transferring designs to	
dyeing, and resin-finishing, simultaneous ...	
electrostatic, of patterns on cloth ...	
and embossing thermoplastic film ...	
fine-mesh pattern on a substrate ...	
fixing pigments on fibrous materials and foils in	
flock-, nature and technique of ...	
impact, cyclohexane and cyclohexadiene derivatives in	
ink ( <i>see also</i> Ink) ...	152
— ageing, changes in properties during ...	99
— behaviour on rollers ...	197
— for application to waxed pellets ...	151
— industry, role of surfactants in ...	198
— production from aqueous pigment pastes ...	197
— technical developments in 1961 ...	355
— vehicle for, particularly those containing fluorescent colorants ...	56
Levafix dyes in ...	
lithographic, stiff dimensionally stable, water-resistant cloths suitable for ...	202
machines, replacing endless flexible blankets in ...	154
screen- ...	
— — automatic dye feeder system for ...	41
— for socks ...	
with magnetic inks ...	
materials, separation of volatile constituents in ...	508
nylon, with Procion dyes (ICI) ( <i>Pattern Card</i> ) ...	252
— with reactive dyes ...	
paper, electrophotographic ...	
pastes ...	
— containing copper phthalocyanine precursors ...	104
— containing solubilised vat dyes, heterocyclic polymers as solubilising agents in ...	202
— pigment-resin, 1,3-dimethylol-4,5-bis(alkoxy-2-imidazolidinones) as fixing agents for ...	62
— pigmented water-in-oil emulsions as ...	
— preparation ...	
— from starch, use of hydrogen peroxide in ...	
— reactive-dye, improving storing stability of ...	
— stabilised, containing reducing agents ...	
perspectives of future in ...	
pigment- ...	
— aqueous dispersions of self-cross-linking copolymers for use in ...	474
polyamide knitgoods (BASF) ( <i>Pattern Card</i> ) ...	632
polyester-cotton fabrics ...	
— with Anthrasol and Samaron dyes ...	
— with various dye combinations ...	
polyester fabrics, with Esterophile dyes ...	
— with Foron dyes ...	
— with Samaron dyes (FH) ( <i>Pattern Card</i> ) ...	561

PAGE	PAGE
<b>Printing—continued</b>	
polyester silver ... ... ... ... ...	253
polyethylene, electrostatically ... ... ...	584
Primazin dyes in ... ... ... ...	584
process, Savagraph emulsion-, development of ...	361
— for vat dyes, two-phase ...	361
Procion dyes in (ICI) (Pattern Card) ...	181
rayon with Reactone dyes by urea method ...	202
reactive dyes in (modern dyes and dyeing processes) ...	583
reducing agents for ...	243
reductones and reductonates as reducing agents in	429
relief ...	584
repeated pattern on wallpaper, cloth, films and the like ...	104
with resin-bonded pigments ...	307
and resin finishing, reactive ...	152
resist effects, white and coloured, on cellulose ...	584
roller assembly ...	416
rollers, engraved, improved mounting for doctor blades used in ...	134
— resilient ...	41
screen-, Helizarin NT process for (BASF) (Pattern Card)	459
— Rapidojen N dyes for (FBy) (Pattern Card) ...	561
— on spun rayon repps with vat dyes (CFM) (Pattern Card) ...	91
steaming of cotton printed with vat dyes ...	584
stencil, of thick or pile fabrics ...	475
synthetic fibres, Procinyl dyes for (ICI) (Pattern Card)	562
Terylene polyester fibre (ICI) (Pattern Card) ...	293
Terylene-cellulose fibre unions with mixtures of disperse and Procion dyes (ICI) (Pattern Card) ...	563
textiles with foam pastes ...	151
two-phase ...	61
— use of Remazol dyes in ...	428
with vat dyes ...	474
— influence of intermolecular changes in maize starch upon behaviour as thickening agent in ...	428
— and with sulphur dyes ...	307
Vigoureux, progress in ...	429
water-in-oil emulsions for ...	61
without back-grey, experiences in ...	633
<b>Prints (see also Coating)</b>	
fast to light and rubbing, pigmented oil-in-water emulsions yielding ...	524
machine with Polystren printing dyestuffs on polyester and polyester-cotton mixed fabrics (CFM) (Pattern Card) ...	91
resin-bonded, with Acramin dyes (FBy) (Pattern Card) ...	561
— white, of high covering power ...	307
screen, on Helanca (BASF) (Pattern Card) ...	459
vat (see Flash-age fixation)	
<b>Procinyl</b> dyes for printing synthetic fibres (ICI) (Pattern Card)	562
<b>Procion</b> Black HN (ICI) (Pattern Card) ...	181
Brilliant Red H3BN (ICI) (Pattern Card) ...	181, 563
Brilliant Yellow H4G (ICI) (Pattern Card) ...	181
Brilliant Yellow 4G (ICI) (Pattern Card) ...	204, 563
— dyed cellulose, abnormal viscosity in cuprammonium hydroxide (Communication) ...	552
dyes, application to leather ...	522
— batchwise application to cotton and linen (ICI) (Pattern Card) ...	563
— “cold-dyeing”, on viscose rayon: colour yield by various dyeing methods (ICI) (Pattern Card) ...	563
— as dischargeable ground shades (ICI) (Pattern Card)	
— Dispersol PR for use in printing with (ICI) (Pattern Card) ...	293
— maroon fashion shade (ICI) (Pattern Card) ...	293
— mechanism of dyeing with—II (Communication) ...	274
— (Correspondence) ...	427
— pad-batch process for circular-knitted cellulose goods (ICI) (Pattern Card) ...	563
— piece-dyeing with ...	358, 521
— printed mixture shades (ICI) (Pattern Card) ...	562
— printing from emulsion thickening (ICI) (Pattern Card) ...	293
— printing nylon with (ICI) (Pattern Card) ...	564
— in textile printing (ICI) (Pattern Card) ...	181
— use in histochemistry ...	368
— use of Triamine PR (ICI) (Pattern Card) ...	293
Green 2B (ICI) (Pattern Card) ...	181
Grey G (ICI) (Pattern Card) ...	294
Olive Green 3G (ICI) (Pattern Card) ...	563
Orange Brown H2G (ICI) (Pattern Card) ...	563
<b>Procion</b> —continued	
Red Brown 4R (ICI) (Pattern Card) ...	181
—Resin process, use of Silicone Emulsion M478 in (ICI) (Pattern Card) ...	563
—Resin resist printing process (ICI) (Pattern Card) ...	293
<b>Product LF (S) (Pattern Card)</b> ...	460
<b>Proofing</b> flax canvas and cotton duck ...	63
<b>Protective</b> garments giving protection against sparks, hot or molten metal, or the like ...	527
<b>Protein</b> (see also Cross-linking)	
—containing, quick-setting coatings ...	528
fibres (see also Dyeing, Dyeing or printing, Wool)	
— regenerated ...	199, 471
α-helical, conformation-dependent Cotton effect in ...	198
N-terminal residues in, study of ...	67
<b>Protolysis</b> of sulphonated triphenylmethane basic dyes, rate of	138
<b>Prussian</b> Blue and ferrous leucoferrocyanide ...	303
<b>Pulps</b> (see also Bleaching)	
bleached, ageing and colour reversion: peroxide formation during ageing ...	310
cellulose, determination of Kappa number ...	208
dissolved in cadoxen, spectrophotometric determination ...	312
reducing losses during pulping, bleaching, and refining ...	65
sulphite, unbleached, residual lignosulphonate acid in ...	520
<b>Pulverulent</b> material, infusible, applying to surface ...	588
<b>Pyrazole</b> dyes (see Monoazo dyes)	
<b>Pyrazoles</b> , 5-amino-, monoazo disperses and basic dyes from ...	299
<b>Pyrazoline</b> fluorescent brightening agents ...	144
<b>Pyrazolone</b> (see also Metal-complex dyes, Monoazo pigments, Reactive dyes)	
dyes, phenolazo-, infrared and visible spectra ...	297
ring, monomethine dyes containing ...	193
1-(3'-sulpho-4'-phenoxyphenyl)-3-stearoylamino-, preparation of ...	567
1-(p-sulphophenyl)-3-(x-furyl)-5-, synthesis of ...	463
<b>Pyrene</b> residues, red monoazo pigments containing ...	191
<b>Pyridine</b> , 2-styryl-, trans-cis-trans phototropism of methiodide of ...	418
<b>Pyridinium</b> bromides, alkyl-, surface-active agents ...	183
<b>Pyrimidine</b> reactive dyes ...	576
residues, water-soluble and vat dyes containing ...	573
<b>Pyrimidylamino</b> radicals, reactive dyes containing ...	195
<b>Pyrones</b> —ispidin, pigment and precursor of “fungus lignin”	513
<b>Pyrocoline</b> , 2,3-phthaloyl-, dyes from ...	575
<b>Pyrroline</b> nuclei, methine dyes containing ...	194
<b>Q</b>	
<b>Quaternary ammonium compounds</b> as thickening agents and paper sizes ...	185
ammonium salts, levelling agents for basic dyes on acrylic fibres and films ...	135
<b>Quinacridone</b> pigment compositions ...	469
pigments ...	142, 352, 469
— improving light fastness of ...	575
<b>Quinacridones</b> ...	54
from 6,13-dihydroquinacridones ...	195
linear ...	517
<b>Quinocyanine dyes</b> with complex unsaturated radical at nitrogen atom, synthesis of ...	512
<b>Quinoline</b> dyes, red ...	463
residue, monoazo pigments and azoic dyes having ...	421
<b>Quinoline</b> dyes and intermediates ...	248
naphthotriazole-4,9-, intermediates for vat dyes ...	53
polycyclic, reactivity of ...	464
substituted, dyes and textile auxiliary agents ...	52
<b>β-Quinonediazole</b> sulphonic acids and derivatives as light-sensitive substances in diazotype processes ...	139
<b>Quinoneimine</b> dyes from pyrazolo[1,5-a]pyrimidines ...	186
<b>R</b>	
<b>Radiation</b> , γ, effect on fibres ...	250
— effect on reaction of sulphur with rubber ...	256
infrared, practical application ...	257
modification of fibres by ...	198
solar, reflection by paints ...	146
ultraviolet, effects on pigmented organic coatings in high vacuum ...	630
— hydroxyketones as absorbers of ...	345
— protecting cellulose against degradation by ...	254
<b>Radiation</b> ...	
<b>Radiolysis</b> ...	
<b>Rag</b> , jute ...	
<b>Raised</b> ...	
<b>Raising</b> ...	
<b>Rapid</b> ...	
<b>Rapidojen</b> ...	
<b>Rattee</b> ...	
<b>Rayon</b> (see ...)	
<b>Reactive</b> ...	

PAGE	PAGE
<b>Radiation</b> —continued	
ultraviolet, protecting polyamide fibres against ...	147
— protecting synthetic-polymer fibres against ...	106
— stabilising nitrogenous fibres against ...	155
— stabilising polyolefins to ...	257
— transparency of fabrics treated with fluorescent brightening agents to ...	579
— Werner complexes of benzophenones as absorbers of ...	345
<b>Radioactive</b> isotopes and use in textile industry ...	312
radiation, effect on fibrous materials ...	57
sources, use in textile industry ...	532, 592
tracers, application in textile work ...	260
— detergency studies with ...	426
— studies of substantivity of alkyl phosphates to textiles	58
<b>Radiolysis</b> of polymers, mechanism of protective action of aromatic amines in ...	478
<b>Rags</b> , jute ( <i>see</i> Dyeing)	
Raised fabric, testing degree of raise of ...	312
<b>Raising machines</b> ...	93, 416
belt system for driving work rollers off ...	242
measuring energy input to raising rollers of ...	532
metallic rotary tease and support ...	93
<b>Rapid</b> Wetting Agent BASF Liquid ( <i>BASF</i> ) ( <i>Pattern Card</i> ) ...	292
<b>Rapidogen</b> dyes: diazoamino compounds synthesised using proline, 5-sulphoanthranilic acid, and phenylglycine as stabilisers ...	347
— printing with ...	137
N dyes for screen printing ( <i>FBy</i> ) ( <i>Pattern Card</i> ) ...	561
Navy Blue N-IBA ( <i>FBy</i> ) ( <i>Pattern Card</i> ) ...	40
<b>Rattes</b> I D, appointment as Professor of Colour Chemistry and Dyeing in University of Leeds ...	505
<b>Rayon</b> ( <i>see also</i> Bonding, Cellulose, regenerated, Dyeing and finishing, Printing, Soil-resistant, Viscose rayon, Wash-and-wear)	
bonding to rubber, treating with dinitrosoresorcinol to improve ...	527
fabrics, crease recovery, effect of r.h. ...	430
fibres, new ...	470
high-resistance, characteristics of cellulose for necessity, invention, and ...	587
swelling properties, reducing (modifying properties of hydroxyl fibrous materials) ...	63
<b>Reactive dyes</b> ( <i>see also</i> Azo dyes, Disperse dyes, Metal-complex dyes, Vinyl sulphone dyes) ...	195
action on wool ...	359
anthraquinone ...	195
application of polyvinyl alcohol sizing finish in combination with ...	475
azo, for cellulose ...	49
— pyrazolone ...	96
— containing sulphonhalogenoalkylamido groups ...	49
bonding to wool ...	251
for cellulose ...	140
containing chloroacetyl groups ...	626
containing chloropropionyl groups ...	626
chloropyrimidyl, chemical reactivity and fixability ...	101
continuous and semi-continuous dyeing with ...	472
desorption ...	510
dibenzanthrone, containing sulphone or sulphonamide groups ...	576
dichlorotriazine, reaction with Capron fibre ...	473
disazo, for cellulose ...	192, 573
— and polyazo, for cellulose ...	51
dyeing cellulose with ...	427
dyeing nitrogenous fibres with ...	60
dyeing protein fibres with ...	582
dyeing with, methods of controlling ...	101
dyeings, improving wet fastness of ...	60
dyeings on cellulose, aftertreatment ...	306
dyeings and prints on cellulose, aftertreatment ...	150
economics of dyeing with, observations on ( <i>Lecture</i> ) ...	161
with esterified dihydroxypropyl groups ...	574
from ethylenimine ...	571
containing glycidyl groups ...	626
identification on cellulosic fibres ( <i>Ident. Dyes Cttee. Paper</i> ) ...	122
metal-complex disazo ...	246, 49, 140, 246, 421, 465, 628
monoazo, having acryloylamino groups ...	96
— for cellulose ...	49
— and disazo ...	141, 192
<b>Reactive dyes</b> —continued	
monoazo, having $\beta$ -halogenopropionylamino groups ...	96
— having two reactive groups ...	299
— red ...	514
with monohalogeno-nitropyrimidine rings ...	302
metal-complex triazine monoazo ...	299
N-substituted $\beta$ -aminoethylsulphone, giving dyeings and prints of good wet fastness on cellulose ...	523
pad-batch dyeing with ...	581
peridicarboxylic acid imide series ...	143
phthalocyanine ...	469
— containing epoxide or $\alpha\beta$ -halogenohydrin groups ...	55
— water-soluble ...	144, 424
from polycyclic hydrocarbons ...	195
printing nylon with ...	104
in printing (modern dyes and dyeing processes) ...	583
printing pastes, improving stability to storing of ...	61
pyrene-quinone ...	97
pyrimidine ...	576
reaction with $\alpha$ -amino acids ...	60, 427
reaction with cellulose model substances, paper-chromatographic investigations ...	358
and resin precondensates, simultaneous application ...	203
suiphonester, constitutional analysis ...	434
with ternary sulphonium or quaternary ammonium radicals ...	515
tone-in-tone effects on cellulose and polyvinyl alcohol fibres with ...	150
triazine, azo and anthraquinone ...	515
— containing thioglycolic acid residues ...	196
with triazinylamino and pyrimidylamino radicals ...	195
triazinylaminoanthraquinone ...	423
vinyl sulphone, reaction with polyamide fibre ...	359
water-soluble, acridone, thioxanthone, and thioxanthone-S-dioxide ...	53
— containing halogenoacylamino groups ...	190
heterocyclic ...	302
— with isothiocyanate groups ...	469
— 1,3,5-triazinylamino ...	195
<b>Reactone</b> dyes for dyeing: Vol II: Reactone dyes in padding ( <i>Gy</i> ) ( <i>Pattern Card</i> ) ...	293
printing rayon by urea method with ...	202
Thermal Shock method for printing and dyeing with ...	200
<b>Recording</b> material, light-sensitive transfer ...	362
— pressure-sensitive ...	65
— heat-resistant ...	106
media, heat-glossing compositions for ...	362
<b>Red</b> Lead, reducing tendency to settle out in paints ...	303
<b>Reduction</b> , borohydride, of cotton, effect on tensile strength ...	250
<b>Reductones</b> and reductonates as reducing agents in printing ...	429
<b>Reflectance</b> , integrating sphere for imperfectly diffuse samples ...	150
<b>Refractive index</b> , application in study of chemical constitution ...	436
<b>Regain</b> of wool, determination ...	67
Reid R J G ( <i>Obituary notice</i> ) ...	339
<b>Relative humidity</b> , effect on crease recovery of modified rayon and cotton fabrics ...	430
importance in light-fastness testing ( <i>FTCC Sponsored Paper</i> ) ...	34
<b>Remazol</b> Brilliant Orange 3R ( <i>FH</i> ) ( <i>Pattern Card</i> ) ...	562
dyes, combination dyeings by one-bath pad-batch process ( <i>FH</i> ) ( <i>Pattern Card</i> ) ...	292
— dyeing cellulosic fibres with ( <i>FH</i> ) ( <i>Pattern Card</i> ) ...	561
— dyeing wool with ...	251
— fastness properties on cellulose fibres ...	59
— printing by flash-ageing process ( <i>Symposium</i> ) ...	609
— semi-continuous dyeing with ...	427, 472
— use in two-phase printing ...	428
— on wool ( <i>FH</i> ) ( <i>Pattern Card</i> ) ...	459
Yellow GNL ( <i>FH</i> ) ( <i>Pattern Card</i> ) ...	562
<b>Reproduction</b> materials, heat-sensitive ...	362
<b>Reproductive</b> layer, sheets or foils having ...	584
<b>Research</b> and development ...	130
— in textile industry, pattern of ...	287
— organisation ...	436
<b>Reserving</b> textile fibres to dyes ...	305
<b>Resilience</b> of cellulosic yarns and fabrics, improving ...	526
crease-resistance, and mildew-resistance, imparting to cellulosic fabric ...	432
<b>Resin</b> , acrylic, content of Dacron non-woven battings, determination ...	532
— bonded pigment printing ...	307

PAGE	PAGE
<b>Resin—continued</b>	
-bonded white prints of high covering power ...	307
-coated fabrics ( <i>see</i> Embossing)	
emulsions, finishing snuffed chrome leather with... ...	365
— synthetic, use in leather industry ... ...	206
finish ... ...	431
— aminoplast, for textiles ... ...	296
— for cellulosic textiles ... ...	154
— on fabrics quantitative determination ( <i>Correspondence</i> )	233
— not retaining chlorine ... ...	586
— not tending to yellow when repeatedly chlorinated ...	634
-finished cotton, effect of silicone softeners on ...	203
-finished fabric, means of evaluating ...	480
-finished textiles, testing ...	208
finishes, on cellulose, analysis ...	591
— determination ...	158
— and precondensates, paper-chromatographic identification ...	367
finishing ( <i>see also</i> Dyeing and resin finishing)	
— cellulose and other hydroxyl-containing fibres, water-soluble epoxides for ...	566
— cotton fibre, effect of tension ...	362
— cotton single fibres ...	308
— cotton and viscose rayon fabrics, use of Velan NW in ( <i>ICI</i> ) ( <i>Pattern Card</i> ) ...	563
— and dyeing, simultaneous ...	360
— dyeing and printing, simultaneous ...	360
— effect of catalysts ...	203
— effect of mercerisation of cotton on effects of ...	304
— effect on colour and light fastness of naphthalimide-dyed fabrics ...	203
— fluorescent brightening agents in ...	153
— formaldehyde in ...	565
— and printing, reactive ...	152
— recent developments ...	63
— free finishing of cotton fabrics ...	475
hydrolysates, thin-layer chromatography ...	207
identification on finished cotton fabrics ...	532
latices, effects imparted to cotton fabric by ...	475
melamine-formaldehyde, stable dispersions of ...	417
precondensates, melamine and triazine, as finishes ...	185
— rotproofing cellulosic fibres by wet fixation of... ...	153
-treated fabrics, soiling properties... ...	204
treatment, of cellulosic fibres ...	584
— of cellulosic textiles, historical development ...	253
urea-formaldehyde, autoradiographic determination of distribution in regenerated cellulose filaments ( <i>Communication</i> ) ...	451
<b>Resins</b> ( <i>see also</i> Acrylic resins, Alkyd resins, Aminoplast, Coloration, Epoxy resins, Fluorocarbon, Polyester resin)	
1,3-dimethylol-4,5-bis(alkoxy-2-imidazolidinones) as intermediates for ...	509
dioxazine dyes for ...	143
epoxy, aqueous emulsions of ...	57
ketone-aldehyde, for fabric finishes ...	64
maleic, influence of methods of preparation on surface coating properties ...	588
phenolic: properties of coating films of Japanese lac ...	256
— soluble in vegetable oils: cyclohexylphenol-formaldehyde resins... ...	365
qualitative and spot tests for ...	436
sulphonated polystyrene, relationship between swelling and cross-linking ...	157
synthetic, incorporating in regenerated cellulose fibres... ...	100
— pigment dispersions for ...	99
— soluble in oil: alkylation of phenol with technical cyclohexyl alcohol ...	206
thermoplastic, effect of softeners ...	344
— self-cross-linking, for textile finishing ...	344
thermosetting, aldehyde, preventing swelling of materials treated with ...	309
— bonding of fillers to ...	635
— chromatographic, electrophoretic, and spectroscopic examination ...	108
urea-formaldehyde, nature of tannage by ...	157
vinyl, printable fabric coated with ...	309
<b>Resist</b> effects, white and coloured, on cellulose ...	584
<b>Resorcinol</b> Blue, constitution ...	190
condensation of sulphophthalic acids with ...	571
derivatives and Ehrlich's reagent, purple compounds from	435
<b>Reviews of Books</b> ( <i>the names of reviewers are in italics</i> )	
Advances in Textile Processing Vol. 1 Edited by J E Lynn and J J Press ( <i>C S Wheell</i> ) ...	342
Alkyd Resins by C R Martens ( <i>L A O'Neill</i> ) ...	457
ASTM Standards on Textile Materials 32nd Edition American Society for Testing Materials ( <i>M Tordoff</i> ) ...	343
The Beginning of Rayon by E J Beer ( <i>A J Wesson</i> ) ...	622
Block and Graft Copolymers by R J Ceresa ( <i>R S Asquith</i> ) ...	341
British Chemicals and their Manufacturers Association of British Chemical Manufacturers ( <i>M Tordoff</i> ) ...	291
Chemistry and Technology of Leather Vol. 3—Process Control of Leather Quality Edited by F O'Flaherty, W T Roddy, and R M Lollar ( <i>A G Ward</i> )	343
Chemistry and Textiles for the Laundry Industry by H Cohen and G E Linton ( <i>G R Perdue</i> ) ...	239
Chromatographic Reviews Vol. 3 Edited by M Lederer ( <i>R S Asquith</i> ) ...	133
Color Problems in the Graphic Arts Inter-Society Color Council ( <i>E Chambers</i> ) ...	290
Colour Technology for Artists, Craftsmen, and Industrial Designers by F A Taylor ( <i>D R Duncan</i> ) ...	457
Conveying Ideas: Fundamentals of Written Communication by H Compton ( <i>M Tordoff</i> ) ...	624
Deutscher Färberkalender 1962 Volume 66 Edited by O Mecheels ( <i>S R Cockell</i> ) ...	240
Einfärben von Kunststoffen by D Hayer ( <i>B Kramisch</i> )	623
Das Färben des Leders: Theorie und Praxis der Lederfärberei by G Otto ( <i>H E Nursten</i> ) ...	623
Farbsysteme by G Wyszecki ( <i>V G W Harrison</i> ) ...	91
A Five-attribute System of Describing Visual Appearance by D B Judd ( <i>K McLaren</i> ) ...	241
The Friel System—a Language of Color by E Friel ( <i>J V Alderson</i> ) ...	507
Glossary of Organic Chemistry by S Patai ( <i>R L Edwards</i> ) ...	507
Handbuch für Textilingenieure und Textilpraktiker. Teildruck T63—Textildruck by R Schmidt ( <i>P Krug</i> ) ...	179
Infrared Spectroscopy—Its Use as an Analytical Tool in the Field of Paints and Coatings By Chicago Society for Paint Technology ( <i>G W Midgley</i> )	39
Interfacial Phenomena by J T Davies and E E Rideal ( <i>C H Giles</i> ) ...	240
An Introduction to the Study of Spinning by W E Morton and G R Wray ( <i>M Tordoff</i> ) ...	622
Methoden der Organischen Chemie (Houben-Weyl). Vol. V/3 Halogenverbindungen Edited by E Müller <i>et al.</i> ( <i>H H Hudson</i> ) ...	560
Methoden der Organischen Chemie (Houben-Weyl). Vol. 14/1 Makromolekulare Stoffe Part I Edited by E Müller <i>et al.</i> ( <i>A R Mathieson</i> ) ...	340
Methods for the Analysis of Non-soapy Detergent (NSD) Products by G F Longman and J Hilton ( <i>D F B Keay</i> ) ...	238
Natural Polymer Man-made Fibres by C Z Carroll-Porczyński ( <i>M Tordoff</i> ) ...	133
A New Dictionary of Chemistry Edited by L M Miall ( <i>R L Edwards</i> ) ...	506
Paint Technology Manuals, Part Two. Solvents, Oils, Resins, and Driers Ed-in-Chief C J A Taylor and S Marks ( <i>L Valentine</i> ) ...	132
Paint Testing Manual: Physical and Chemical Examination—Paints, Varnishes, Lacquers and Colors by H A Gardner and G Sward ( <i>T R Bullet</i> ) ...	621
Plastics Progress, 1961 Edited by P Morgan ( <i>W R Moore</i> ) ...	179
The Problem of Communication HMSO ( <i>M Tordoff</i> )	560
Procion Dyestuffs in Textile Printing ICI Dyestuffs Division ( <i>C B Stevens</i> ) ...	339
Productivity Techniques Conference Proceedings Association of British Chemical Manufacturers ( <i>M Tordoff</i> ) ...	342
Review of Textile Progress Vol. 12, 1960 (TI, SDC and Butterworths) ( <i>B C Burdett</i> ) ...	340
Scientific Russian by A Holt ( <i>A E Stubbs</i> ) ...	624
Searching the Chemical Literature Edited by R F Gould ( <i>A E Stubbs</i> ) ...	455
The Smaller Firm and Technical Education by P F R Venables and W J Williams ( <i>W Cule Davies</i> ) ...	235

RE	PAGE	PAGE
<b>Reviews of Books—continued</b>		
42	Specification for pH Scale British Standards	
57	Institution (M Tordoff) ... ... ... ... 40	
43	Structure de la Laine Institut Textile de France	
22	(M Tordoff) ... ... ... ... 458	
41	Surface Activity and Detergency Edited by K Durham	
91	(R P Harker) ... ... ... ... 239	
41	Technique of Organic Chemistry, Volume VIII	
91	Part I—Investigation of Rates and Mechanisms	
43	of Reactions Edited by S L Friess, E S Lewis and	
39	A Weissberger (A Johnson) ... ... ... ... 39	
33	The Technology of Washing by G R Perdue (C B Stevens) ... ... ... ... 291	
90	Textbook of Quantitative Inorganic Analysis	
43	including Elementary Instrumental Analysis	
39	by A I Vogel (H A Turner) ... ... ... ... 132	
33	Textile Printing with Caledon, Durindone, and	
90	Soledon Dyes ICI Dyestuffs Division (C B Stevens) ... ... ... ... 241	
57	Textile Recorder Annual (and Machinery Review)	
40	1961/62 (M Tordoff) ... ... ... ... 39	
57	Water Treatment for Industrial and Other Uses by	
40	E Nordell (J H Harwood) ... ... ... ... 238	
24	Wie Färbe ich Polyacrylonitril- und Polyesterfaser? by A Gebhardt (B Kramrisch) ... ... ... ... 457	
40	Writing a Technical Paper by D H Menzel, H M Jones,	
23	and L G Boyd (M Tordoff) ... ... ... ... 624	
23	<b>Rhodacyanine dyes</b> ... ... ... ... 194	
91	<b>Rhodamine B</b> , absorption spectrum and aggregation ... ... ... ... 158	
91	dyes—III—VI ... ... ... ... 511	
24	from 4,5-dimethyl- $\Delta^4$ -tetrahydrophthalic acid ... ... ... ... 511	
24	<b>Ribbons</b> , multi-coloured inked ... ... ... ... 250, 312	
57	<b>Riboflavin</b> , photochemical cleavage of water by: role of	
57	activators ... ... ... ... 44	
57	<b>Rilsan</b> (see Dyeing polyamide fibres)	
57	<b>Robert Robinson</b> Lectureship ... ... ... ... 337	
179	<b>Roller</b> , cylindrical, sheet material running over, preventing	
179	transverse wandering of ... ... ... ... 134	
39	ensuring even pressure along ... ... ... ... 183	
39	pressure— ... ... ... ... 461, 625	
39	— for calenders, padding machines, etc. ... ... ... ... 344	
39	resilient ... ... ... ... 41	
39	spreading or smoothing ... ... ... ... 564	
240	<b>Rongal A</b> in dash ageing (Symposium) ... ... ... ... 597	
240	<b>Roofing</b> granules, coloured ... ... ... ... 260	
22	<b>Rotproofing</b> (see also Fungicidal)	
22	agents, arsenobenzene and alkali-metal phenyl arsenite as	
560	— diarylmercury compounds ... ... ... ... 634	
560	— imparting resistance to insect attack, complexes of	
340	nitrogenous polyesters as ... ... ... ... 566	
340	— mixtures of pentachlorophenol and esters with fatty	
340	acids for ... ... ... ... 509	
238	cellulose ... ... ... ... 205	
238	cellulosic fibres by wet fixation of resin precondensates ...	
133	cellulosic textiles with metallic selenides ... ... ... ... 205	
133	cotton ... ... ... ... 153	
506	— by deposition of polyacrylonitrile (polymerisation of	
506	vinyl monomers) ... ... ... ... 308	
506	— (modifying properties of hydroxylc fibrous materials) ...	
506	154	
132	<b>Royal Institute of Chemistry</b> : Secretary and Registrar ... ... ... ... 415	
132	<b>Rubber</b> (see also Bonding, Discoloration, Vulcanisation)	
132	adhesion to regenerated film, determination of (adhesion	
621	of polymers) ... ... ... ... 256	
179	aftertreatment of Carbon Black to improve performance in	
179	bonding of rayon and synthetic-polymer fibres to,	
179	improving ... ... ... ... 527	
560	compositions, incorporating powders in ... ... ... ... 529	
339	improving adhesion between fibres and ... ... ... ... 255	
339	industry, application of Terylene in ... ... ... ... 147	
342	latices, effects imparted to cotton fabric by	
342	natural and synthetic, structures and properties (rubbers	
342	today) ... ... ... ... 475	
342	ozone resistance, factors influencing, and evaluation of ...	
342	pigment dispersion in, evaluating ... ... ... ... 157	
342	pigmented fibres of increased adhesion to ... ... ... ... 480	
453	reaction of di-2-benzothiazyl disulphide with ... ... ... ... 527	
453	reaction with sulphur: effect of $\gamma$ -radiation ... ... ... ... 365	
238	stable dispersion of ... ... ... ... 256	
238	<b>Streptomyces longisporus</b> , prodigiosine-like fungal pigment	
238	from ... ... ... ... 94	
238	<b>Rubber</b> —continued	
238	synthetic, pigment dispersions for	
238	vulcanised, determination of antioxidants in	
238	Rubbing fastness of dyes and prints on cellulose, improving	
238	Rust, paints with property of removing and inhibiting formation	
238	of ... ... ... ... 523	
238	of ... ... ... ... 356	
238	<b>S</b>	
238	<b>Salicine</b> Chrome and Metachrome dyes (FH) (Pattern Card) ...	
238	<b>Samaros</b> dyes, printing polyester-cotton fabric with	
238	prints on polyester fabrics (FH) (Pattern Card) ...	
238	<b>Sandmeyer</b> reaction, factors affecting reaction kinetics of	
238	<b>Sapamine PA</b> (Ciba) (Pattern Card) ...	
238	<b>Saponification</b> of cellulose ester film surface ...	
238	and etherification, simultaneous, of polyvinyl acetate	
238	of polyvinyl acetate by dimethyl sulphate ...	
238	<b>Saran</b> (see Decomposition)	
238	<b>Savagraph</b> emulsion-printing process, development	
238	<b>Scholefield F</b> (Obituary notice) ...	
238	<b>Scouring</b> agents, sucrose esters of fatty acids	
238	and bleaching cotton and other cellulosic fibres continuously	
238	cellulosic or man-made-fibre fabrics ...	
238	and dyeing blends for the carpet trade (Lecture) ...	
238	jet, of raw wool	
238	machine, open-width	
238	wool, damage to epicuticle caused in, effect on dyeability	
238	— raw, by aqueous jet: factors affecting removal of	
238	grease ...	
238	— stable detergent compositions for	
238	— and wool-mixture fabrics, open-width ...	
238	<b>Seams</b> (see Setting)	
238	<b>Selenazole Blue</b> type, oxidation of 2-selenazolylhydrazones to	
238	quinoid dyes of ... ... ... ... 464	
238	<b>Selenazoles</b> ...	
238	<b>Selenides</b> , metallic, rotproofing cellulosic textiles with...	
238	<b>Self-smoothing</b> (see also Crease-resistant, Smooth-drying)	
238	— fabric, crease-recovery in dry and wet states ...	
238	— the smooth-drying effect ...	
238	<b>Semidine</b> and benzidine rearrangements, mechanism of	
238	<b>Serolid</b> dyes on cellulose triacetate (YDC) (Pattern Card)	
238	and Serilin dyes on nylon (YDC) (Pattern Card) ...	
238	<b>Set</b> , degree of, estimation in crimped polyamide yarns ...	
238	<b>Setting</b> (see also Drying)	
238	creases and seams in aminoplast-resin-treated fabrics ...	
238	dyeing, and finishing of hosiery simultaneously ...	
238	hair, cation-active tertiary amine salts for ...	
238	keratinous fibres ...	
238	operations in wet finishing of wool ...	
238	wool, permanent	
238	— fabrics, suggested mechanism ...	
238	<b>Setting</b> of pigments and fillers in lacquers, inhibition of	
238	<b>Sewing thread</b> (see also Finishing)	
238	cotton, dyeing with Cibacron dyes ...	
238	polyamide and polyester, dyeing ...	
238	<b>Sheet</b> of foil having reproductive layer ...	
238	material, light-sensitive ...	
238	— preventing transverse wandering when running over	
238	cylindrical roller ...	
238	<b>Sheps L J</b> Meritorious Service Award ...	
238	<b>Shirtings</b> , polyamide-fibre, knitted, finishing of...	
238	<b>Shrinkage</b> of wool fabrics, testing ...	
238	<b>Shrinking</b> (see also Compressive shrinking)	
238	woven and knitted fabrics and fleeces of non-woven	
238	fibres ...	
238	<b>Shrink-resist</b> finish ...	
238	finishes for wool ...	
238	processes, Dylan XB and XC, effect on wool dyes (CAC)	
238	(Pattern Card) ...	
238	treatment and laundering of wool fabrics...	
238	<b>Shrink-resistance</b> , imparting to wool fabrics by interfacial	
238	polyamide treatment ...	
238	<b>Sighting</b> of textile materials ...	
238	<b>Siladiborinanes</b> , intermediates and auxiliaries...	
238	<b>Silane</b> azo dyes ...	
238	<b>Silazanes</b> for water-repellent treatments...	
238	<b>Silica</b> (see also Fume silica)	
238	colloidal, strengthening fabrics for...	
238	finely powdered ...	
238	<b>Silicate</b> coating, metal-pigmented, top coating or finish for	
238	519	

PAGE	PAGE
<b>Siliceous fillers</b> ... ... ... ... ... 424	<b>Society of Dyers and Colourists—continued</b>
pigments ... ... ... ... ... 470	Annual Golf Competition for the Goodall Trophy ... 415
<b>Silicon</b> ( <i>see also</i> Organosilicon)	Associateship examination 1962 ... 36, 481
azo triazine dyes for glass fibres containing ... 51	Associateship examination 1963 ... 558
azoic dyes containing, dyeing with ... 151	A.S.D.C. examination papers ( <i>Correspondence</i> ) ... 177, 336
compounds, aminoalkyl, increasing dye-affinity and fixing dyes with ... 151	Awards of Society's medals ... 558
thiazine dyes containing ... 54, 141	Committees 1962-63 ... 370
triarylmethane dyes containing ... 51, 141	Council meeting, reports of ... 36, 129, 236, 336, 455, 558
triazine compounds containing—sizes and water-repellent agents ... 136	death of Members ... 38, 90, 131, 237, 338, 456, 560, 621
<b>Silicone</b> ( <i>see also</i> Organopolysiloxanes)	deposit of sealed communications ... 3
coatings, high-temperature-resistant ... 157	Diplomas in tintorial technology ... 2
Emulsion M 478: use as water-repellent for cotton fabrics in two-stage Procion-Resin process ( <i>ICI</i> ) ( <i>Pattern Card</i> ) ... 563	election of Associates ... 455
finishes, stability on uniform cloth ... 532	election of Fellows ... 129, 336, 455
softening agents, effect on resin-treated cotton ... 203	George Douglas Lecture ... 8
-treated fabrics ( <i>see</i> Dry-cleaning)	historical records ... 3
water-repellent finish ... 154	Honorary Members ... 4
<b>Silk</b> ( <i>see also</i> Browning, Colouring, Degradation, Dyeing, Yellowing)	Honours ... 558
dyes for (Gy) ( <i>Pattern Card</i> ) ... 561	<i>Journal</i> , copyright notice ... 3
dyes containing furan rings for ... 463	— official notices ... 2
produced by Polish oak-silkworm, degumming, bleaching and dyeing ... 357	— practical papers in ... 177
reaction with reactive dyes ... 60	Knecht Memorial Fund ... 8
<b>Siloxane</b> azo dyes ... 141	library ... 3
fluorinated ... 94	Medal recipients ... 5
organopoly-, catalysts for finishes from ... 136	Medals and Awards ... 4
— rendering leather and textiles water-repellent with ... 136	Medals and Diplomas, presentation ... 36, 128
— treating fillers for elastomers of ... 578	meetings of Council and committees ... 38, 90, 131, 178, 237, 287, 338, 416, 456, 506, 560, 621
—polytetrafluoroethylene compositions ... 107	Mercer Lecture ... 8
<b>Sinagen</b> dyes, printing cellulose with 50% solutions of ... 253	objects ... 1
<b>Siriogen</b> WK ( <i>FBy</i> ) ( <i>Pattern Card</i> ) ... 292	Officers and Council 1962-63 ... 369
<b>Sirius</b> Supra Brown BRL, new method for producing ... 137	Officers and members of Council, election regulations ... 1
Supra Red F4BL ( <i>FBy</i> ) ( <i>Pattern Card</i> ) ... 40	Past Presidents ... 370
<b>Siroset</b> process, mechanism (setting operations) ... 204	Perkin Medal, recipients ... 4
— problems of dye chemistry in ... 254	plate presented to London Section ... 620
<b>Sizes</b> ( <i>see also</i> Starch)	reports of the Sections for 1961-62 ... 411
amylose derivatives ... 417	representatives on External Bodies ... 374
for cellulose acetate or polyester fibres ... 461	Retiring President's Message ... 378
dextran-containing ... 345	Section and Branch Committees ... 374
fluorocarbon acrylamides ... 243	subscription rates, 1962 ... 1
gelatin and oil, determination in viscose rayon and acetate yarn and fabric ... 589	Symposium 1963, invitation to submit papers ... 505
for hydrophobic fibres ... 93	<b>Society of Dyers and Colourists of Australia</b> ... 377
for paper, from pine oleoresin ... 345	<b>Socks</b> ( <i>see</i> Printing machine)
— quaternary ammonium compounds ... 185	<b>Sodium</b> chlorite, photochemistry in solution, with reference to chlorite bleaching ( <i>Communication</i> ) ... 80
preparation of ... 565	hydrosulphite, determination in vat dyebaths ... 258
silicon-containing triazine compounds ... 136	laurate solutions, effect of electrolytes on critical micelle concentration and solubilising power ... 242
sulphonium starch ethers ... 417	<b>Softening agents</b> ( <i>see also</i> Silicone) ... 295, 462, 565
testing ... 260	—detergent composition for textiles ... 462
warp ... 185, 509	determination in synthetic finishes and coatings ... 68
— polyethylene oxide as ... 93	effect on thermoplastic resins ... 344
<b>Sizing</b> and dry-cleaning of fabrics ... 521	scorch-resistant ... 185
and filling paper in neutral or basic medium ... 587	<b>Soil</b> deposition on cotton, effect of adsorption of calcium and polyphosphates ... 59
jute—I, II, III ... 152	ease of removal during washing, effect of antistatic agents ... 251
machines, warp-, tensioning roller regulators for paper, aqueous keten dimer emulsion for ... 508	-resistant finish for cellulose fibres ... 526
— mineral-filled ... 634	-resistant finish on rayon ... 255
— with wax-in-water emulsions ... 527	<b>Soiling</b> of garments, effect of antistatic agents ... 251
— with zirconia ... 462	properties of resin-treated fabrics ... 204
with polyvinyl alcohol, combination with application of reactive dyes ... 527	of textiles, study by artificial soiling techniques ... 530
<b>Ski-elastic</b> fabric, manufacture and finishing ... 475	<b>Soleedor</b> dyestuffs on cotton ( <i>ICI</i> ) ( <i>Pattern Card</i> ) ... 460
<b>Skin</b> compatibility of hair dyes and allied substances ... 356	<b>Solids</b> content of solutions or paints, determination ... 66
and core of nylon, staining technique for studying ... 480	<b>Solochrome</b> <b>Violet R</b> and its metal complexes, physico-chemical properties ( <i>Communication</i> ) ... 612
effect of synthetic anionic substances on ... 67	<b>Solubilisation</b> of hydrocarbons in detergent solutions, effect of lyophilic colloids on ... 101
<b>Skins</b> ( <i>see</i> Dehydration, Dry-cleaning)	of hydrocarbons, effect of Na salts on ... 243
<b>Smooth-drying</b> ( <i>see also</i> Self-smoothing)	<b>Solubilising</b> ability of detergents, effect of phosphates on ... 135
cellulosic fabrics ... 526	<b>Soluble</b> <b>Blue</b> , synthesis ... 463
cotton, morphology of ... 584	<b>Solvatochromism</b> of some cyanine dyes, hydrogen bonding and ... 298
cotton: where does reagent go? ... 308	<b>Solvent</b> dyes, black, for ball-point inks ... 353
properties of fabrics, assessment ... 160	— paper chromatography ... 367
<b>Soap</b> ( <i>see</i> Polyoxyalcohols)	— salts of cationic dyes ... 142
<b>Soaping</b> vat dyes, dyeing mechanism and colour change on ... 472	-recovery plant ... 183
<b>Society of Chemical Industry</b> , President ... 286	-soluble colorants, metal-complex monoazo ... 50
<b>Society of Dyers and Colourists</b> , Affiliated Societies ... 377	-soluble dyes, characterising by optical transmission methods ( <i>Communication</i> ) ... 76
Annual Accounts 1961 ... 382	— ( <i>Correspondence</i> ) ... 285
Annual Dinner ... 390	<b>Solvents</b> , mixed, examination of ... 479
Annual General Meeting ... 379	polyfluorocyclobutanone, for ester addition polymers ... 417
	<b>Soromin</b> OK ( <i>BASF</i> ) ( <i>Pattern Card</i> ) ... 292

PAGE	PAGE
<b>Sorption</b> of acids by wool from mixtures of acids ( <i>Communication</i> ) ... ... ... ... ... 24	96
<b>Sound</b> produced by textiles in friction, spectral distribution ... ... ... ... 67	462
<b>Souring</b> in flexographic inks, control of ... ... ... ... 424	462
<b>Spandex</b> fibres ... ... ... ... 520	280
<b>Spectra</b> , absorption, of aromatic azo and related compounds ... ... 44	280
— of binary mixtures of dyes containing Chrysophenine G ... ... ... ... 568	366
— of films of sublimed dyes ... ... ... ... 45	302
— measurement in vacuum ultraviolet ... ... ... ... 67	511
charge transfer ... ... ... ... 436	311
of diphenylmethane dyes ... ... ... ... 138	138
of dyes on cellulose and oxidised cellulose ... ... ... ... 159	138
index of ... ... ... ... 621	138
<b>Spectral</b> tristimulus values, variability of ... ... ... ... 208	160
<b>Spectromat</b> colour-measuring instrument ... ... ... ... 159	142
<b>Spectronic</b> 505, colour measurement with ... ... ... ... 530	100
<b>Spectrophotometric</b> attachment for vacuum ultraviolet ... ... ... ... 67	471
<b>Spectrophotometry</b> , micro- ... ... ... ... 67	471
reflectance, identification and estimation of pigments by ... ... ... ... 479	471
<b>Spinochrome</b> E, conversion of namakochrome into ... ... ... ... 513	471
pigments (polyhydroxynaphthoquinones), paper chromatography ... ... ... ... 529	471
<b>Stabilising</b> aqueous dispersions, protective colloids for ... ... ... ... 295	42
cellulose, acid, by bisulphite oxidation ... ... ... ... 587	509
alkali, by anhydrosulphite induced by heat ... ... ... ... 634	632
cellulose triacetate ... ... ... ... 364	586
wool fabric by interfacial polymerisation ... ... ... ... 431	135
<b>Stacking</b> tendency of Acridine Orange on deoxyribonucleic acid ... ... ... ... 45	183
<b>Stain</b> , fibril, Chlorazol Black E as ... ... ... ... 159	42, 565
<b>Stains</b> ( <i>see</i> Oil stains)	
<b>Standfast</b> continuous-dyeing method, development and ... ... ... ... 632	144
<b>Starch</b> ( <i>see also</i> Dialdehyde starch, Insolubilising)	
applications in paper and textile industries ... ... ... ... 183	134
-coated paper ... ... ... ... 528	456
ethers, sulphonium— sizes, thickening agents, etc. ... ... ... ... 417	184
granular carbamyl ether of ... ... ... ... 94	42
maize, behaviour as thickening agent for printing with ... ... ... ... 428	144
<b>Statexan</b> A; B ( <i>FBy</i> ) ( <i>Pattern Card</i> ) ... ... ... ... 292	134
<b>Static electricity</b> on fabrics, measurement ... ... ... ... 258	479
in textiles ... ... ... ... 592	107
<b>Steam</b> supply in dyeing and finishing ... ... ... ... 625	243
<b>Steaming</b> , effect on rate of dyeing of polyamide and polyester fibres ... ... ... ... 582	135
fabric, apparatus for ... ... ... ... 242	365
<b>Stenter</b> clip ... ... ... ... 294	626
<b>Sterilisation</b> of hospital wool blankets ... ... ... ... 59	201
<b>Stevenson</b> F M elected Chairman of British Colour Council ... ... ... ... 559	310
<b>Stiffening</b> cellulose triacetate fabrics ... ... ... ... 64	625
<b>Stilbene</b> derivatives: fluorescent brightening agents ... ... ... ... 422	471
-disulphonlic acid, 4,4'-diamino-, derivatives of ... ... ... ... 143	251
fluorescent brightening agents ... ... ... ... 143	242
dyes, azo ... ... ... ... 568	312
fluorescent brightening agents ... ... ... ... 98	312
pp'-distyryl-, synthesis and properties ... ... ... ... 345	509
<b>Stockings</b> , boarding machine for ... ... ... ... 183	184
<b>Stoving</b> enamels, non-cratering copolymer-based ... ... ... ... 99	479
<b>Strength</b> , bursting and breaking, assessing resistance of textiles to fungal attack by ... ... ... ... 68	104
<b>Strengthening</b> fabrics, colloidal silica for ... ... ... ... 363	157
<b>Stretch</b> yarns and fabrics, cotton ... ... ... ... 430	310
<b>Stretching</b> cloth, paper, etc., weft- or width-wise ... ... ... ... 242	310
of fabric, controlling ... ... ... ... 508	310
<b>Stripping</b> baths, acid ... ... ... ... 252	310
<b>Styrene</b> , radiation-induced grafting to nylon fabric ... ... ... ... 147	310
<b>Styryl</b> dyes from derivatives of 1-arylquinolinium salts ... ... ... ... 464	310
from 4-methylquinoline (Cyanine dyes—I) ... ... ... ... 45	310
from N-arylquinolinium salts ... ... ... ... 570	310
p-(2-pyrazolin-1-yl) ... ... ... ... 143	310
<b>Succinic acid</b> and derivatives, colour and constitution of dyes obtained from ... ... ... ... 511	106
phenyl-, colour and constitution of dyes from ... ... ... ... 348	579
<b>Sudachitin</b> , a new flavone pigment of <i>Sudachi</i> ... ... ... ... 189	579
<b>Suint</b> , component amino acids of ... ... ... ... 579	580
<b>Sulfonate</b> Yellow 4G (S) ( <i>Pattern Card</i> ) ... ... ... ... 92	579
<b>Sulphoacids</b> of fluorescein—I ... ... ... ... 571	579
<b>Sulphoester</b> reactive dyes, constitutional analysis ... ... ... ... 434	579
<b>Sulphonates</b> , alkylaryl, improving foam stability of ... ... ... ... 135	579
<b>Sulphone</b> groups, azo dyes containing ... ... ... ... 96	
<b>Sulphonic acid</b> groups, intermolecular transfer ... ... ... ... 462	
naphthalene, kinetic currents in reduction of ... ... ... ... 462	
reduction products of azo dyes, identification—II ( <i>Communication</i> ) ... ... ... ... 280	
titrimetric determination in mixture with sulphuric acid in industrial sulphonates ... ... ... ... 366	
<b>Sulphonphthalain</b> dyes, substituted ... ... ... ... 302	
<b>Sulphorhodamine</b> B, chloride and amides of ... ... ... ... 511	
<b>Sulphur</b> content of wool keratin, determining ... ... ... ... 311	
dyes, drying with simultaneous oxidation when making ... ... ... ... 138	
— Hyaman ... ... ... ... 138	
— Immedial Light Yellow GWL, constitution of ... ... ... ... 570	
interaction with polyethylene ... ... ... ... 157	
<b>Sulphuric acid</b> , manufacture in England in 1736 ... ... ... ... 160	
<b>Sulphurised</b> vat dyes ... ... ... ... 142	
<b>Sunlight</b> , effect on degradation of viscose rayon ... ... ... ... 100	
<b>Supercontraction</b> and elongation of modified keratin fibres in LiBr solution ... ... ... ... 471	
<b>Supracet</b> Direct Navy Blue GMT and RMT ( <i>LBR</i> ) ( <i>Pattern Card</i> ) ... ... ... ... 460	
<b>Supramin</b> dyes, fashionable shades with ( <i>FBy</i> ) ( <i>Pattern Card</i> ) ... ... ... ... 561	
<b>Supranol</b> Fast Red BL: Isomal Red BL ( <i>FBy</i> ) ( <i>Pattern Card</i> ) ... ... ... ... 92	
<b>Surface-active agents</b> ... ... ... ... 42	
acetal and formal ... ... ... ... 509	
action during dyeing of acetate with disperse dyes ... ... ... ... 632	
activation of sulphite wood cellulose by ... ... ... ... 586	
acrylic hydrazinium chlorides ... ... ... ... 135	
alkylpyridinium, studies on— I-III ... ... ... ... 183	
amphoteric ... ... ... ... 42, 565	
anion-active, determination of (dye salts with quaternary ammonium compounds) ... ... ... ... 144	
anion and non-ionic ... ... ... ... 134	
British National Committee on ... ... ... ... 456	
carbohydrate ... ... ... ... 184	
classification ... ... ... ... 42	
de-emulsifying effect and structural-mechanical properties of adsorption layers ... ... ... ... 134	
in dyeing, estimating dispersing properties of ... ... ... ... 479	
evaluation of wetting power ... ... ... ... 107	
fluorocarbon acrylamides ... ... ... ... 243	
glucose ether ... ... ... ... 135	
hydrotropic effects on hide ... ... ... ... 364	
influence in acid bath on loss in strength of carbonised wool ... ... ... ... 59	
liquid amine salts of acid sulphates ... ... ... ... 295	
mode of interaction with gelatin ... ... ... ... 365	
non-ionic ... ... ... ... 565	
— considerations in use ... ... ... ... 295	
— derivatives of perfluoroalkane sulphonamides ... ... ... ... 626	
— as dyeing assistants ... ... ... ... 201	
in paper industry ... ... ... ... 310	
from perfluorocarboxylic and perfluorosulphonic acids ... ... ... ... 625	
phosphate ester, in textile processing ... ... ... ... 417	
photometric determination of iron in ... ... ... ... 366	
residual, in textiles, nullifying the effect of ... ... ... ... 526	
role in paint and printing ink industries ... ... ... ... 107	
sodium dodecylbenzene sulphonate, influence of calcium on adsorption by cotton ... ... ... ... 251	
studies on— IV, V, VI ... ... ... ... 242	
toxicity—I, II, III ... ... ... ... 312	
for use in conjunction with water-repellent finish ... ... ... ... 509	
wetting power and rate of adsorption from aqueous solutions ... ... ... ... 184	
<b>Surface-active basic polyethers</b> ... ... ... ... 42	
-coating resins and polymers, tests for ... ... ... ... 436	
coloration and finish ... ... ... ... 104	
coverings ( <i>see</i> Dimensional stabilisation) ... ... ... ... 104	
<b>Surgical</b> gut ( <i>see</i> Dyeing) ... ... ... ... 42	
<b>Sutures</b> , surgical, of polyethylene terephthalate, dyeing ... ... ... ... 104	
<b>Swelling</b> and cross-linking of sulphonated polystyrene resins ... ... ... ... 157	
<b>Syntans</b> of excellent fastness to light ... ... ... ... 310	
<b>Synthetic-polymer fibres</b> ( <i>see also</i> Antistatic, Bleaching, Crease-recovery, Delustring, Dyeing, Finishing, Manufactured fibres, Mass coloration, Printing) ... ... ... ... 104	
bonding to rubber, treating with dinitrosoresorcinol to improve ... ... ... ... 527	
dyeability, improving with cross-linked <i>N</i> -vinyl-3-morpholine copolymers ... ... ... ... 580	
protecting against ultraviolet radiation ... ... ... ... 106	
trade names and properties ... ... ... ... 579	

T	PAGE	PAGE	
<b>Tailing</b> in pad-batch dyeing process, causes of ...	305	<b>Thiocromone</b> , condensation with compounds containing active methyl or methylene groups ...	347
<b>Tannage</b> , urea-formaldehyde resin, nature of ...	157	<b>Thioindigoid</b> dyes, from 3-aryl-2,4-thiazolidinediones ...	464
<b>Tannery</b> , colour matching in ...	368	— and indigoid dyes, state in dyed materials ( <i>Communication</i> ) ...	167
<b>Tannin</b> ( <i>see also</i> Gallotannins)		— spectrophotometric analysis ...	434
combined, of vegetable-tanned hide powder ...	587	— substituted—VII, VIII... ...	139
treatment of boiler water with ...	565	— with thiazole ring ...	189
vegetable ...	559, 620	and related compounds, studies of—III ...	189
wattle heartwood and bark, chemistry of ...	295		
<b>Tanning</b> ability of $\beta$ -naphthol derivatives (interaction of aromatic sulphonate acids with collagen) ...	433	<b>Thiol</b> groups in cross-linked polycaprolactam fibres, determination ...	435
agents ( <i>see also</i> Syntans)		<b>Thionaphthene</b> dyes, metal-complex monoazo ...	191
— alkaline glyoxal ...	107	<b>Thionessal</b> and its 1,1-dioxide, azoic dyes from ...	569
— anionic aminoplast resins ...	365	<b>Thionine</b> , radiochemical synthesis ...	185
— effect on optical birefringence of collagen ...	433	<b>Thiophene</b> derivatives as fluorescent brightening agents and dye intermediates ...	98
— silicated sodium zirconyl sulphate as ...	523		
— synthetic ...	365	<b>Thixotropic</b> agents, use in paints ...	519
— THPC as ...	478	<b>Tinting strength</b> of white pigments, measurement by reflectometry ...	589
— tris(hydroxyacetato) chromate ...	528		
— zinc compounds as ...	523	<b>Titanium</b> adhesives, use in lacquer and plastics industries ...	478
chrome, past and present, chemistry of ...	310	<b>Titanium dioxide</b> ( <i>see also</i> Bleaching) ...	99, 630
— of upper leather, modern methods of ...	255	crystalline solid solutions based on—coloured pigments	56
compounds and solutions, chrome, basicity of ...	158	developments (trend of new pigments) ...	245
cross-linking of proteins by ...	433	dispersion in high-speed impeller mixers ...	354
with formaldehyde ...	255	of improved dispersibility ...	470, 578
— in presence of organic compounds—I, II ...	635	of improved whiteness ...	99
leather ...	66	manganese in, accelerated method for determining	636
— and filling it with copolymers of methyl methacrylate and methacrylyhydroxamic acid ...	206	modification in manufacture of pigments for diverse purposes ...	349
— with furfural ...	206	preparation ...	56
with lignin sulphonate acid-chromium reaction product ...	478	quantitative estimation in white pigments ...	207
material, from Black Liquor ...	243	rutile ...	349
— vegetable, uptake by chromed hide substance ...	157	— from concentrated solutions of titanium sulphate ...	95
mechanism of ...	364, 587	— obtaining coloured pigment by substituting cations in	465
properties of dialdehyde starch ...	364	— solar reflectivity ...	146
with THPC and a phenol or phenol acid ...	478	— vapour-phase process for continuous production	197
<b>Tear strength</b> and crease recovery, effect of yarn twist and fabric cover factor on ...	308	seeds, stable colloidal rutile-inducing and yield-inducing	99
of flame-resistant fabrics, improving ...	477	suspensions, particle-size distribution in ...	519
<b>Teflon</b> ( <i>see</i> Cross-linking)		pigment surfaces, physical chemistry ...	190
<b>Tefnifix</b> machine, continuous dyeing of nylon stockings with ...	359	<b>Toluylen Red</b> , radiosynthesis ...	186
<b>Telon</b> Fast Black EB ( <i>FBy</i> ) ( <i>Pattern Card</i> ) ...	92	<b>Tow</b> ( <i>see</i> Drying)	
<b>Temperature</b> indicators, activated-chrome ...	462	<b>Trace</b> analysis, complexes for use in ...	158
<b>Tendering</b> of cotton on application of Aniline Black ...	102	<b>Transfer</b> ...	475, 584
<b>Tenter-chain</b> links ...	183	for application to ceramics or glass ...	152
clip ...	416	inks for making ...	578
<b>Terasil</b> Orange 3RL ( <i>see</i> Cibacet Orange 3RD)		sheet, multicolour writing ...	202
<b>Terylene</b> ( <i>see also</i> Dyeing and finishing, Printing)		<b>Translations</b> of scientific literature ...	456
application in the rubber industry ...		<b>Transparencies</b> , preventing popping and fading of ...	253
— wool (55:45), navy blue and black shades on ( <i>ICI</i> ) ( <i>Pattern Card</i> ) ...	147	<b>Trevira</b> ( <i>see</i> Finishing)	
<b>Tetra-azaporphin</b> dyes ...	293	<b>Triamine</b> PR, use with Procion dyes ( <i>ICI</i> ) ( <i>Pattern Card</i> ) ...	293
dyeing with hydrazine derivatives of ...	522	<b>Triarylmethane</b> derivatives, application of linear free energy relationships to some reactions of ...	510
<b>Tetrakis(hydroxymethyl)phosphonium chloride</b> , as tanning agent ...	98	dyes ...	351
reactions with wool keratin ( <i>Correspondence</i> ) ...	478	— silicon-containing ...	51, 141
<b>Thermofix</b> process, dyeing polyester-fibre fabrics by ...	234	— soft-grain ...	193
<b>Thermoplastic</b> film ( <i>see</i> Embossing)	103	steric effects in ...	45
materials ( <i>see</i> Marking)		<b>Triazine</b> ( <i>see also</i> Hydrolysis)	
particles ( <i>see</i> Coating)		alkylphenylhalogeno-, as vat dye intermediates ...	140
textiles ( <i>see</i> Heat treatment)		dyes, azo silicon-containing, for glass fibres ...	51
<b>Thermosol</b> process, dyeing cellulosic-polyester fabrics by;		— dihalogeno-, stabilising ...	98
— dyeing wool-polyester fabrics by ...	149	halogeno-1,3,5-, modifying cellulose and secondary cellulose acetate textiles with ...	309
— dyeing polyester-fibre fabrics by ...	103	isocyanates: reaction of 2,4-diamino- <i>s</i> -triazines with ethyl chlorocarbonate ...	418
<b>1,3,4-Thiadiazoles</b> , fluorescent brightening agents, u.v. absorbers, and dye intermediates ...	518	symmetrical, reactions of derivatives of ...	418
<b>Thiazine</b> dyes, silicon-containing ...	54, 141	silicon-containing, as sizes and water-repellent agents ...	136
<b>Thiazole</b> ring, thioindigoid dyes with ...	189	<b>s-Triazines</b> , <i>NN</i> -disubstituted amino- and azoamino- ...	300
<b>Thiazoles</b> , 2-amino, monoazo disperse dyes from ...	141	<b>Triazinyl</b> radicals, anthraquinone disperse dyes containing ...	468
derivatives, synthesis ...	511, 512	— anthraquinone pigments containing ...	467
infrared absorption spectra ...	45	— dyes containing ...	96
2-methyl-, containing hydroxymethyl substituents ...	348	— vat and disperse dyes and pigments containing ...	408
and thiadiazoles, unsymmetrical cyanines derived from ...	420	<b>1,3,5-Triazinylamino</b> dyes ...	195
<b>Thiazolocyanine</b> dyes containing hydroxymethyl substituents ...	348	<b>Triazole</b> dyes ( <i>see</i> Metal-complex dyes)	
<b>Thiazolocyanines</b> , synthesis from thiazole derivatives with heterocyclic substituents ...	420	<b>Trichloropyrimidylamino</b> derivatives, constitution and reactivity ...	570
<b>Thickening agents</b> for mixtures of water and organic solvents ...	461	<b>Trichromatic</b> system, MacAdam's, modification of ...	531
quaternary ammonium compounds ...	185	<b>Trimethine</b> dyes ...	194
sulphonium starch ethers ...	417	<b>Triphenylmethane</b> dyes ( <i>see also</i> Basic dyes, Oxidation)	
		carbazole ...	419
		free radical forms ...	138

**Triphenylmethane** dyes, metal-complex monoazo ...

**Trisodium** ...

**Tristim** ...

**Tropocoumarin** ...

**Ultramarine** ...

**Ultraphenyl** ...

**Ultraviolet** ...

**Urea-bis** ...

**Urethane** ...

**Uron** ...

**Urylon** ...

**U.S.A.**, in ...

**U.S.S.R.**, in ...

**Varilogen** ...

**Varnishes** ...

**Vat dyes** ...

	PAGE	PAGE	
<b>Triphenylmethane dyes—continued</b>			
mixtures, chromatography ...	138	dyeing recipes, spectrophotometric method of determining ...	590
recent developments in ...	566	emulsions suitable as carriers for (concentrates for production of emulsions for colouring textiles) ...	474
pigments, non-staining, for use in recording inks and copy papers ...	516	highly dispersed ...	144
<b>Trisazo dyes (see also Direct dyes, Disazo dyes)</b>		indigoid, of isatin series: 2-(2-Oxo-3-indolinylidene)-4-, -6- and -7-methoxythianaphthene/indigo dyes ...	245
for polyolefins ...	629	intermediates for: alkylphenylhalogenotriazines ...	140
<b>Tristimulus colorimeter, direct-reading...</b>	530	leuco, radiochemical oxidation ...	101
values, spectral, variability of ...	531	— sulphuric acid esters of ...	468
<b>Tropocollagen molecule, properties and their significance in fibril formation ...</b>	433	naphthalimidotriazineanthraquinone ...	52
<b>Tryptophan in wool, determination ...</b>	435	naphthofurandione ...	143
<b>Tubular fabric (see also Dryer, Knitted fabrics)</b>		naphthoquinone derivatives as intermediates for ...	349
compressive shrinking ...	205	naphthylene diylimidazole ...	518
presses for ...	242	from nitro- and amino-naphthotriazolequinone ...	53
<b>Turquoise Blue SW, Fast (FH) (Pattern Card)...</b>	459	oxidation-reduction behaviour, effect of pH of leuco solutions on ...	462
<b>U</b>			
<b>Ultramarine production, technology of ...</b>	420	paper chromatography ...	311
thermographic study of formation of ...	628	pastes determining pigment content of ...	589
<b>Ultraphor GPB, NB, RPB (BASF) (Pattern Card)</b>	292	— stabilised with polyvinylpyrrolidone ...	98
<b>Ultraviolet absorbers</b>	243, 510	— stable, preparation of ...	244
— benzotriazole derivatives as ...	43	2,3-phthaloylpyrocoline ...	575
— ferrocene derivatives as ...	38	and pigments, anthraquinonoid ...	53
— hydroxymonoketones as ...	95	red ...	245
— improvement of light fastness of dyes on synthetic fibres by ...	306	reducing agents for, hydrazine-borane compounds as in screen printing on spun rayon repps (CFM) (Pattern Card) ...	417
— organosilicon compounds as ...	136	... ... ...	91
— 1,3,4-oxadiazole ...	296	solid compositions of ...	523
— 1,3,4-thiadiazoles ...	518	solubilised, dyeing cellulose with ...	583
degradation of polymers, measuring resistance to radiation (see Radiation)	160	— dyeing synthetic-polymer fibres with ...	428
<b>Urea</b> -bisulphite solubility of wool, determination ...	311	— substantive properties ...	138, 427
dihydroxyethylene-, crease-resist finishing agents for cotton ...	308	soluble red ...	139
dimethylethylene-, chlorine retention of fabrics treated with ...	153	structure and affinity ...	244
— control of formaldehyde release from fabric finished with ...	363	sulphurised ...	142
— cross-linking etherified cottons with ...	105	two-phase printing process for ...	361
pigments derived from ...	300	and water-soluble dyes containing pyrimidine residues ...	573
waterproofing paper strings with ...	364	yellow and orange, relation between chemical structure and influence on photodegradation of fibres ...	45
<b>Urethane</b> coatings, survey of ...	355	ZH, properties of suspensions and pastes containing ...	512
foam, fabric laminated to ...	303	<b>Vat</b> residues in production of phthalic anhydride ...	255
polyoxyethylene- <i>N,N'N'</i> -bis-, study of ...	63	<b>Vats</b> , paddle, for treating untanned leather ...	183
substituted, treatment of viscose rayon fabrics with ...	105	<b>Velan</b> NW durable lubricant, softener, and water-repellent in resin-finishing of cotton and viscose rayon fabrics (ICI) (Pattern Card) ...	563
<b>Uron</b> ring, stability in wash-and-wear finishing of cotton ...	633	<b>Verel</b> , properties, bleaching and dyeing ...	582
<b>Urylon</b> fibre ...	178	<b>Vinyl</b> acetate (see Hydrolysis)	
<b>U.S.A.</b> , imports of synthetic dyes and organic pigments in 1960 ...	43	benzoate (see Hydrolysis)	
production of dyes, lakes, and toners in 1960 ...	43	compounds, basic, interaction between anionic dyes and derivatives, synthesis and textile applications (Lecture)	427
<b>U.S.S.R.</b> , advances in dyeing, finishing, and printing in 1960 ...	101	polymers (see Colouring)	114
<b>V</b>			
<b>Variogen Base II: Salt II (FBy) (Pattern Card)</b> ...	92	resin, fabrics coated with ...	363
bases, azo dyes derived from ...	137	<b>Vinylon</b> (see also Dyeing)	
<b>Varnishes (see also Pigmentation)</b>		dyeing properties of monoazo dyes on ...	149
epoxy, new approach to ...	146	improvement by utilising saponified copolymer of vinyl acetate and allylidene diacetate ...	426
insulating, heat stability as problem in reaction kinetics...	56	<b>Vinyl sulphone dyes (see also Reactive dyes)</b>	
<b>Vat dyes (see also Soaping)</b>		bonding in cellulosic fibres ...	101
acedianthrone ...	53	<b>Violanthrone B</b> , reduction and oxidation ...	298
acyl, dyeing or printing with ...	302	<b>Viscose</b> (see Colouring, Dyeing, Mass coloration)	
acetylaminanthraquinone, determination of constitution of 4-aminanthraquinone-2,1( <i>N</i> )-1',2'( <i>N</i> )-benzocridone ...	434	<b>Viscose rayon (see also Bleaching, Crease-resist finishing, Degradation, Dyeing, Mass coloration, Rayon, Washing, Water-repellent treatment)</b>	
anthraquinone ...	301	auxiliary products for (ICI) (Pattern Card) ...	563
— and perylene tetracarboxylic acid di-imide, and pigments containing a triazine residue ...	468	fabrics, finished with Carbamol Ts.E.M., effect of light, weather, and repeated washing ...	633
anthraquinone-bis-triazole ...	54	— "non-iron" ...	363
anthraquinone-1,2,4-triazine ...	53	— partially acetoacetylated, dyeing with aromatic diazonium compounds ...	427
benzanthrone anthraquinone acridine ...	517, 629	— preparation ...	427
benzanthrone, oxidation-reduction and dyeing properties ...	464	fibres, fine structure, electronmicroscopic study ...	303
blue-grey ...	629	— lustre, effect of depth of colour on ...	520
determination of sodium hydrosulphite in baths of ...	258	heat of wetting and transition temperature ...	579
1,4-diaminoanthraquinone-2-arylketones ...	194	staple, fastness to chlorinated water of direct dyes for (ICI) (Pattern Card) ...	562
1,4-diaroylaminanthraquinones ...	248	tensile behaviour in sodium cuprate solutions ...	198
dibenzanthrone ...	517	treatment with polyoxyethylene- <i>N,N'N'</i> -bis(ethyleneurethane) ...	105
— grey to black ...	352	yarn, mass-pigmented, manufacture, properties and uses	630
dinaphthofurandiones as intermediates for ...	47	<b>Vision</b> , light quanta and ...	68

PAGE	PAGE	Wool—
<b>Vulcanising</b> action of heterocyclic <i>N</i> -thiocarbamylsulphendi-alkylamides ... ... ... ... ... 157	<b>Water-repellent</b> — <i>continued</i>	dy ef fa
kinetics of, effect of carbon black on ... ... ... ... 256	finishing, of cellulosic material ... ... ... ... 106, 254	
power of asymmetric thiuram sulphides containing aliphatic and aromatic groups ... ... ... ... 588	— dry-cleaning and ... ... ... ... 148	
radiation ... ... ... ... ... 66	— of leather and textiles, organopolysiloxane compositions for ... ... ... ... 136	
<b>Vynamon</b> Green 3Y (ICI) ( <i>Pattern Card</i> )... ... ... ... 294	— and/or flame-resistant finish ... ... ... ... 154	
<b>W</b>		
<b>Wallach</b> rearrangement; behaviour of 4-substituted azoxybenzenes in strongly acidic solution ... ... ... 346	— and flame-resistant treatment of dyed cellulose cloth ... 432	
<b>Wallpaper</b> ( <i>see</i> Printing)	and shrink-resistant finishing of wool ... ... ... 106	
<b>Warps</b> ( <i>see also</i> Desizing, Drying)	treatment, of cellulosic fabric, new methods of ... ... ... 63	
<b>Wash-and-wear</b> ( <i>see also</i> Crease-resistant)	— of hydroxyl polymers with sulphur tetrafluoride ... 254	
and crease-resistant cotton, carbamate finish for ... ... 308	— of leather ... ... ... ... 255	
fabrics, appearance after home laundering ... ... ... 312	— with organopolysiloxanes ... ... ... ... 66	
— cotton, effect of nature of cross-links on properties ... ... 308	— of viscose rayon with <i>NN</i> -ethylenestearyl urethane ... 105	
— fabric construction for ... ... ... ... 430	<b>Water-resistance</b> of leather, measuring... ... ... ... 260	
finish, amidomethylol, on cotton, susceptibility to acid hydrolysis ... ... ... ... ... 430	<b>Water-resistant</b> dimensionally stable cloths for lithographic printing ... ... ... ... 154	
— chlorine-resistance ... ... ... ... ... 204	<b>Water-soluble</b> matter in leather, determination... ... ... ... 160	
— nitrogenous, resistance to washing and hydrolysis ... ... 204	<b>Waving</b> , permanent, of hair ... ... ... ... 185, 586	
finishing, of cotton, fluorescent brightening agents in ... ... 153	<b>Waxed</b> pellets, inks for printing on ... ... ... ... 250	
— stability of ionic ring in ... ... ... ... ... 633	<b>Weather</b> -resistance of polypropylene fibres ... ... ... ... 147	
— using deferred curing ... ... ... ... ... 475	-resistant properties of fireproofed textiles, testing ... ... ... 250	
— of rayon cloth ... ... ... ... ... 363	<b>Weathering</b> chemically modified cottons, effect of unsaturated groups in ... ... ... ... ... 250	
— of wool fabrics ... ... ... ... ... 585	deterioration of jute fabrics on, fungi associated with ... ... ... 585	
properties, evaluating ... ... ... ... ... 260	of textile yarns ... ... ... ... ... 589	
<b>Wash-fast</b> water-repellent finish on feathers ... ... ... ... 160	of textiles, calibrating radiant sources in ... ... ... ... 436	
<b>Washing</b> , ease of soil removal during effect of antistatic agents ... 251	<b>Webs</b> ( <i>see also</i> Coating, Drying)	
fastness, current AATCC methods for testing ... ... ... 435	festooned, treatment of ... ... ... ... ... 183	
— of direct dyes on cellulose, improving ... ... ... 523	laterally guiding a longitudinally moving ... ... ... ... 625	
low-temperature, of naturally soiled blouses, cleaning and wrinkling effects in ... ... ... ... ... 251	moving, apparatus for observing surface of ... ... ... ... 260	
machine with temperature-controlled feed of bleaching agents ... ... ... ... ... 251	— applying simultaneously two or more layers of aqueous dispersions to ... ... ... ... ... 134	
process, behaviour of liquid and solid dirt in the wash solution ... ... ... ... ... 58	— detecting variations in linear dimensions of ... ... ... ... 93	
— some fundamental aspects ( <i>Lecture</i> ) ... ... ... ... ... 109	— flexible, continuous treatment ... ... ... ... 182	
viscose rayon cakes, apparatus for ... ... ... ... ... 242	producing undulations in ... ... ... ... ... 294	
<b>Waste</b> water ( <i>see also</i> Effluent)	threading through fluidised bed ... ... ... ... ... 183	
— symposium on control of ... ... ... ... ... 461	<b>Wet-fastness</b> , of direct dyeings, improving ... ... ... ... 473	
— tannery, flocculating suspensions of ... ... ... ... ... 508	— of dyes, increasing ... ... ... ... ... 150	
— textile: water conservation and abatement of pollution ... ... ... ... ... 417	— of reactive dyeings, improving ... ... ... ... ... 60	
<b>Water</b> absorption, by cellulose at very low humidities ... ... ... ... ... 579	— on wool, increasing ... ... ... ... ... 150	
— measuring resistance of fabrics to ... ... ... ... ... 160	— processing, of cloth and the like ... ... ... ... ... 182, 344	
— into wool fibres, comparison by various techniques ... ... ... ... ... 367	— of fibres and fabrics ... ... ... ... ... 625	
boiler, scientific basis of organic treatment of ... ... ... ... ... 565	— of long lengths of textiles ... ... ... ... ... 461	
conservation and abatement of pollution... ... ... ... ... 417	— loose fibres or granular materials ... ... ... ... ... 182	
control of micro-organisms in ... ... ... ... ... 134	— separating loose fibres after ... ... ... ... ... 508	
industrial re-use ... ... ... ... ... 295	— of textiles ... ... ... ... ... 508, 625	
purification in textile industry ... ... ... ... ... 344	— of yarns and fabrics, continuous ... ... ... ... ... 182	
in the textile industry ... ... ... ... ... 242	strength of cellulosic material, improving... ... ... ... ... 527	
turbid, clarifying ... ... ... ... ... 565	treatment, of fibrous material ... ... ... ... ... 508	
<b>Waterproof</b> or water-repellent, cyclosilazanes for making porous materials ... ... ... ... ... 136	— of running yarns ... ... ... ... ... 242	
<b>Waterproofing</b> agents, for leather, alkenylsuccinic acids as ... ... ... ... ... 625	— of textiles ... ... ... ... ... 41	
— polyfluorocyclobutanone ... ... ... ... ... 417	— combined molten metal and fluidised bed machine for ... ... ... ... ... 294	
paper strings with urea resin ... ... ... ... ... 364	<b>Wettability</b> of polyethylene films, improving ... ... ... ... ... 478	
polyester and polyester mixture fabrics ... ... ... ... ... 64	<b>Wetting</b> agent in mercerising lye, phonic acid as ... ... ... ... ... 135	
with solvents after dry-cleaning ... ... ... ... ... 585	power, evaluating without using cloth ... ... ... ... ... 259	
<b>Water-repellent</b> ( <i>see also</i> Oil-repellent)	— of surface-active agents, evaluation ... ... ... ... ... 107	
agents, isocyanate-urethane ... ... ... ... ... 136	<b>White</b> pigments, tinting strength, measurement by reflectometry ... ... ... ... ... 589	
— silicon-containing triazine compounds ... ... ... ... ... 136	textiles, photometric evaluation ... ... ... ... ... 490	
— stable aqueous dispersion of high-mol.-wt. methylol-amide ... ... ... ... ... 136	<b>Wicking</b> , fibrous textile, capillary absorption in... ... ... ... ... 100	
and crease-resistant treatment of cotton with dimethylol-ethyleneurea-polysiloxane emulsion ... ... ... ... ... 526	<b>Winding</b> and unwinding cloth in dyeing machines, maintaining constant tension during ... ... ... ... ... 508	
effects of <i>NN</i> -ethylenestearyl urethane ... ... ... ... ... 105		
effects of octadecyl isocyanate derivatives... ... ... ... ... 63		
finish ... ... ... ... ... 205, 476		
— dry-cleaning goods that are to be given a ... ... ... ... ... 358		
— durable ... ... ... ... ... 254		
— effect of treatments on effectiveness (influence of surface finish) ... ... ... ... ... 154		
— on feathers, wash-fast ... ... ... ... ... 160		
— silicone ... ... ... ... ... 154		
— surfactant for use in conjunction with... ... ... ... ... 509		
— for textiles, leather, etc... ... ... ... ... 345		
<b>Wood</b> ( <i>see also</i> Hemicellulose, Painting)		
primer paint for ... ... ... ... ... 185		
<b>Wool</b> ( <i>see also</i> Alkali solubility, Bleaching, Carbonising, Colouring, Creases, Drying, Dyeing, Dyeing and finishing, Felting, Finishing, Keratin, Modification, Nitrogenous fibres, Package dyeing, Scouring, Setting, Shrink-resist, Urea-bisulphite Water-repellent)		
anhydride treatment, dimethylformamide as catalyst in carbonised, effect of surfactants on strength ... ... ... ... ... 309		
carpet yarn, fast-to-light scarlet shades (ICI) ( <i>Pattern Card</i> ) ... ... ... ... ... 59		
characteristics, changes in processing from raw wool to cloth ... ... ... ... ... 57		
damage caused in dyeing, investigating ... ... ... ... ... 590		
dielidrin in, colorimetric determination ... ... ... ... ... 589		
Donnan distribution between aqueous solutions and, new approach to ... ... ... ... ... 305		
dry weight, rapid and precise determination ... ... ... ... ... 589		

GE	PAGE	PAGE
<b>Wool—continued</b>		
54	dyeability, relation to epicuticle	580
48	effect of immersion in lithium bromide soln.	425
36	fabrics (see also Dimensional stabilisation, Laundering, Setting, Shrinkage, Shrink-resist, Stabilisation, Wash-and-wear)	
154	— imparting "easy-care" properties to, advances in	309
132	— non-iron	475
106	— untreated and shrink-resistant, rate of felting of	64
63	felting properties, reducing, and rendering wool dimensionally stable	155
254	fibres, absorption of water, comparison by various techniques	367
255	— characteristics and modification	631
66	— mechanism of stress relaxation and length recovery	356
105	— movement in fabrics during felting	475
260	— physical properties at various regains	356
154	— properties, relation between structure of chrome dyes and effect on ( <i>Communication</i> )	491
100	— structure	356
250	flannel, milling shrinkage, analysis of functions of deposits of polymers in modifying ( <i>Communication</i> )	404
147	formation of polymers on: polyethylene ( <i>Communication</i> )	
250	halogenated, improving handle, abrasion resistance, and alkali solubility	407
585	keratin, crystal kinetics in	205
589	— reactions with THPC ( <i>Correspondence</i> )	425
436	— sulphur content, determination	234
183	-like properties, imparting to cellulosic textiles	311
625	nylon, and union dyestuffs ( <i>Town End</i> ) ( <i>Pattern Card</i> )	205
260	piece, fast-to-light scarlet shades on ( <i>ICI</i> ) ( <i>Pattern Card</i> )	93
134	-protecting agents	293
93	quality, information derived from spectral distribution of sound produced in friction	565
182	reaction with reactive dyes...	67
294	reactive dyes on, increasing wet fastness of	359
183	reactive dyes, bonding to	150
473	recovered, fastness of dyes on	251
60	reductive-processed, influence of dyeing on properties	582
150	regain, determination	521
344	Remazol dyes on ( <i>FH</i> ) ( <i>Pattern Card</i> )	67
625	reserve of disperse dyes	459
461	resistance to moisture and microbiological action, improving	60
508	scoured, evaluation of organic-soluble substances in	64
625	scouring liquors, factors affecting recovery of wax from sodium sulphide, action on	259
182	sorption of acids from mixtures of acids. I—Sorption of hydrochloric acid and di- or mono-chloroacetic acid ( <i>Communication</i> )	631
527	stabilisation tests, comparative	520
508		24
242		259
41		
294		
478		
135		
259		
107		
588		
480		
100		
508		
630		
309		
59		
293		
57		
590		
589		
305		
589		
305		
589		
Wool—continued		
	treatment with acid chlorides in presence of dimethyl-formamide	477
	tryptophan in, determination	435
	unchlorinated, mélange effects on	523
	untreated, bleached, and chlorinated, behaviour in blank dyeing at 98–108°C	473
	—water system, mechanism of sorption at high water concentrations	57
	yarn, bright shades on ( <i>ICI</i> ) ( <i>Pattern Card</i> )	293
	<b>Worshipful Company of Dyers</b> , election of Wardens...	559
	Research Medal	36
	— recipients of	6
	<b>Worshipful Company of Feltmakers</b> Research Medal	8
	<b>Worsted</b> pieces (see Dyeing)	
	tops, yarns, and fabrics, dyed, defects on...	590
	<b>Wrinkle Tester</b> , Celanese, standards for assessing fabrics creased in dry state by	426
	<b>Wrinkling</b> (see Creasing)	
	X	367
	Xenon lamps, high-pressure, stability of...	159
	— use in determination of light fastness of dyed and prints	584
	<b>Xerographic</b> dye images, unmottled transfer toner	356
	Y	148
	<b>Yarn</b> (see also Coating, Wet processing, Wet treatment) of specular metallic appearance	99
	<b>Yellow</b> pigments for ceramics and enamels	59
	<b>Yellowing</b> (see also Discoloration)	579
	and browning of silk, colorimetric study	435
	of cotton finished with APO, bleach-induced	430
	of fluorescently brightened cotton fabrics	59
	of nylon 6.6 (thermal behaviour)	46
	Z	472
	<b>Zeta potential</b> of fibres in direct dye solutions	305, 472
	<b>Zimmermann</b> reaction, mechanism	244
	<b>Zinc</b> dust for use in paints	299
	dyed chromate conversion coating on soaps as flattening agents	252
	<b>Zinc chromate</b>	146
	<b>Zinc ferricyanide</b> , stabilising to light	578
	<b>Zinc oxide</b> in emulsion paints	202
	photoconductive layers, dyes for sensitising	519
	<b>Zinc sulphide</b> of improved wettability	196
	silicate-coated	99
	577	577

## LIST OF BRITISH PATENTS ABSTRACTED

*The date in brackets is that of the patent application*

No. of Patent	Page	Patent														
866,326	424	877,818	41	879,906	93	882,088	136	884,477	151	886,380	192	888,774	299	891,231	300	\$89,603
		835	47	925	96			541	134	500	193			233	307	604
869,966	424	859	48	930	136	102	136	582	141	523	196	813	250	226	294	622
		865	61	947	97	103	136	486	198	523	196	813	250	248	300	662
875,664	64	894	55	962	99	112	152	491	198	905	252	926	242	265	310	681
683	41	897	42	980	150	119	134	604	155	500	193	960	299	320	294	704
						138	152	625	135	523	196	969	250	731	731	748
712	61	910	53	880,018	93	630	140	540	183	447	310	749				
782	41	938	56	021	104	208	144	655	140	540	183	474	310	751		
		948	60	036	96	308	142	665	147	576	192	889,000	248	474	310	
844	65	878,021	60	068	99	336	136	672	146	592	183	041	184	494	303	
862	60	024	50	41	206	95	378	156	714	144	652	205	151	182	515	350
		047	41	257	99	531	191	736	255	653	197	184	252	526	307	824
903	41	098	61	257	99	531	191	775	145	686	195	186	249	538	307	854
987	41	129	47	315	136	533	192	777	135	722	202	210	183	560	309	882
		139	57	356	99	534	145	785	155	723	203	211	183	582	310	
876,001	50	149	62	393	98	557	150	802	140	746	205	220	260	600	345	901
045	58	168	43	426	97	602	151	805	255	887,175	185	235	248	601	302	909
061	41	473	99	649	146	885,042	103	842	142	983	185	335	248	719	307	913
069	65	202	56	473	97	902	140	892	194	982	194	292	254	992	368	965
		229	65	649	146	885,042	103	842	142	983	185	335	248	719	307	975
122	42	230	65	509	94	902	140	892	194	982	194	292	254	992	368	995
126	155	262	52	542	150	743	154	846	144	887,175	185	371	182	736	303	894,012
154	134	545	99	750	141	864	158	887,175	185	372	250	767	301	745	310	
166	154	362	43	549	95	769	143	882	144	776	206	374	248	772	349	015
		555	94	885	142	885	142	885	142	777	206	395	242	774	301	016
226	136	527	49	575	97	837	142	895	134	779	206	794	301	895	368	068
		576	93	885	142	895	142	895	142	794	301	895	368	992	368	070
444	155	631	105	599	94	890	140	972	135	885,042	103	227	183	402	309	848
485	48	632	54	892	154	902	140	972	135	885,042	103	241	197	471	246	108
496	49	655	100	600	107	902	140	972	135	885,042	103	254	193	471	246	129
		656	100	624	154	902	140	972	135	885,042	103	257	184	585	306	884
506	134	661	55	658	96	902	140	972	135	885,042	103	259	193	586	302	150
526	42	669	98	902	140	993	136	902	140	902	140	262	191	901	295	178
527	51	675	62	702	155	998	135	902	140	902	140	264	184	617	304	907
534	58	679	56	703	155	998	135	902	140	902	140	264	184	642	306	932
591	42	726	48	798	103	902	140	902	140	902	140	264	184	658	247	969
		902	140	902	140	902	140	902	140	902	140	264	184	673	303	254
632	49	738	103	902	140	902	140	902	140	902	140	264	184	682	243	892,128
672	56	741	50	822	107	902	140	902	140	902	140	264	184	683	242	320
691	55	748	104	857	93	123	152	359	206	902	140	264	184	683	242	323
		753	55	858	97	131	140	359	206	902	140	264	184	683	242	338
710	66	760	151	862	105	389	183	389	183	902	140	264	184	683	242	338
		880,035	155	902	140	902	140	902	140	902	140	264	184	683	242	338
715	65	800	93	886	96	452	191	452	191	416	246	801	302	802	247	408
716	65	806	62	897	135	456	182	456	182	423	183	802	247	802	247	415
718	50	942	94	909	94	337	143	457	191	436	202	811	304	812	303	426
		909	94	909	94	342	141	462	202	437	201	812	303	812	303	430
815	48	987	151	966	155	370	155	466	257	442	184	813	306	814	247	388
817	57	973	99	977	141	483	196	483	196	487	260	814	247	814	247	388
834	62	879,003	155	980	93	396	158	520	193	579	196	833	246	833	246	388
854	56	049	105	993	136	445	140	521	193	584	206	890,066	242	834	301	602
901	64	071	103	993	136	523	185	523	185	585	195	091	294	402	352	616
923	49	073	49	881,085	93	476	145	530	182	594	246	092	242	092	242	661
972	47	143	106	102	154	627	140	547	195	618	205	120	302	667	361	744
		144	106	146	104	518	142	632	257	677	183	121	302	677	361	760
877,028	61	170	55	178	136	550	192	641	198	677	183	150	310	705	300	772
039	52	196	104	185	99	552	144	642	198	723	196	172	248	731	294	777
062	42	240	53	382	106	742	145	716	196	729	194	175	248	733	333	
083	57	204	103	295	98	782	152	717	196	734	205	180	309	735	333	
098	106	206	93	374	100	782	152	717	196	735	182	204	295	735	333	
		235	50	374	100	782	152	717	196	735	182	204	295	735	333	
178	51	240	53	382	106	782	152	717	196	735	182	204	295	735	333	
180	50	244	55	410	97	783	152	717	196	735	182	204	295	735	333	
		263	48	487	104	784	152	717	196	735	182	204	295	735	333	
230	61	291	98	785	152	813	312	813	312	883	196	305	246	882	362	
235	62	536	150	786	152	814	190	814	190	883	196	305	246	886	349	
249	51	321	47	537	94	787	152	815	190	900	185	340	242	981	358	
250	51	356	150	540	155	788	152	816	190	900	185	420	302	893,006	461	
266	41	789	152	789	152	816	190	835	294	968	183	430	303	073	357	
293	48	483	134	613	105	790	152	817	190	847	196	971	194	461	296	
		486	103	624	94	848	205	848	205	848	205	464	247	165	353	
307	47	488	104	656	136	807	144	851	202	888,066	242	515	309	166	351	
369	62	499	99	657	136	816	134	856	198	888,066	242	518	306	222	345	
		661	154	826	144	826	144	856	198	888,066	242	519	306	226	345	
402	56	508	148	891	242	891	242	891	242	891	242	179	242	519	306	
456	53	519	98	710	99	892	242	892	242	892	242	181	242	519	306	
461	50	523	95	726	100	943	152	943	152	943	152	390	252	601	307	
487	53	578	96	728	156	931	255	949	183	949	183	209	248	610	294	
		587	99	737	96	973	255	968	196	968	196	294	242	633	294	
538	65	596	104	884,027	142	902	142	902	142	902	142	637	307	332	356	
582	106	808	99	896	145	886,013	201	914	183	914	183	637	307	332	356	
591	52	607	107	825	100	943	152	943	152	943	152	637	307	332	356	
593	106	610	98	889	148	944	142	944	142	944	142	639	307	332	356	
		612	106	157	135	944	142	944	142	944	142	639	307	332	356	
657	43	635	97	966	93	147	146	966	147	966	147	449	250	720	312	
666	60	641	96	981	100	149	150	110	182	966	147	449	246	720	312	
667	61	642	103	989	100	154	144	128	200							

LIST OF BRITISH PATENTS ABSTRACTED—*continued*

No. of Patent	Page														
893,603	357	894,813	360	896,111	422	897,436	576	898,819	586	900,148	588	901,687	632	903,106	625
604	357	818	355	112	422	437	466	845	508	149	579	692	572	126	575
607	350	833	417	197	474	484	466	874	508	164	565	694	576	135	630
622	362	859	353			487	468	881	468	178	566			136	630
662	416	892	417	232	423	488	467	186	516	748	572	138	633		
681	351			239	421	489	463	901	519	103	586			157	625
		960	351	244	471	912	517					815	518	188	632
704	344	961	424	260	423	547	508	958	523	341	580	877	572		
731	360			264	469	554	468	963	524	354	572			203	636
748	353	895,011	417	267	477	555	527	991	473	359	584	900	573	222	625
749	360	029	423	272	477			997	583	372	566	927	573	245	629
751	350	084	423	287	461	659	526	999	509	373	565	932	592	268	574
		098	432					391	573	950	517				
821	354	099	432	307	468	707	468	899,006	565					345	629
824	365			318	474	721	529	051	469	402	574	902,017	571	369	629
852	345	125	416	453	472	738	467	066	525	420	564	020	571	395	629
854	364			454	478	742	523			455	528	022	577		
882	350	240	422	472	421	754	508	211	509			025	566	416	634
		249	429			757	509			506	566	061	578	423	630
901	365	250	429	533	469	781	523	316	573	514	577	074	579	470	625
909	358			590	469			331	508						
913	361	392	421			804	509	336	508	649	515	110	578	525	625
965	351	399	423	602	421			376	514			119	566	565	626
975	428			605	422	952	528	377	527	752	516	121	515	590	575
976	428	406	417	673	421	974	514	383	527	764	515	137	564		
995	366	424	428	675	421	993	519	384	526			142	578	703	577
		427	422	680	422	994	519	388	521	854	574	181	564	708	625
894,012	349	429	417	681	465			403	573	950	515	297	584	797	634
015	344	438	573			898,008	532								
016	354	439	422	743	470	064	532	500	474						
068	349	443	477	776	476	065	510	577	529	901,028	584	348	584	810	629
070	426	445	532	785	465	094	523	587	508	042	580	364	583	816	626
		448	422	803	469					043	572	365	566	820	626
108	354	449	466	867	476	130	507	628	532	057	586	374	583	872	629
129	432	456	462	874	476			682	516	059	571	393	575	913	631
150	352	478	476	880	461	298	522	683	529	062	564	395	575	971	634
178	357	479	476	882	461	299	526			098	586	396	575	979	635
195	431			883	461			709	517			398	575	994	576
237	344	522	461			302	524	721	508	146	577				
254	416	538	470	900	466	305	521	758	525	172	586	454	584	904,021	625
		569	424	911	468	311	523	778	523	196	577				
320	416	915	471			915	514	778	523			528	578	096	628
323	416	618	423	916	469	353	514	798	523			546	564		
338	352	657	470	937	468	367	518	823	509	202	586	568	577	111	626
383	424	674	473	938	474	398	526	824	509	294	517	580	580	161	636
388	352	697	471	947	465	398	526	825	509	403	571	581	580		
389	350	706	475	955	471	401	508	882	518	420	574			354	634
408	355	721	471	972	467	464	508	886	572	434	574	613	527		
415	350	746	476			481	508	891	528	463	634	630	575	581	576
426	344	751	470	897,095	518	493	525	899	522	491	527	631	566	582	576
430	350	770	466			499	474	902	526			636	632	873	576
		195	467			917	516	522	505			876	577		
602	421	806	472	196	467			981	528	546	574	757	578		
610	352			197	467	535	465	984	516	554	566	764	565		
616	428	948	421	205	518	614	528	987	473	557	634	788	634	905,030	574
661	350	990	470	208	509	671	508	989	526	558	583	562	634	813	564
				227	525	677	520			562	634	888	586	449	575
744	422	896,012	475	276	523			900,050	578	621	572			906,552	628
760	360	019	471			706	466			648	510	956	634		
771	429	041	474	313	525	756	527	109	586	666	517			907,073	629
772	429	042	424	333	523	759	509	111	566	683	565	903,048	523		
777	416	067	470	365	508	789	508	127	516	686	565	050	633	908,447	634

# LIST OF UNITED STATES PATENTS ABSTRACTED

*The date in brackets is that of the patent application*

No. of Patent	Page												
2,955,898	54	2,971,812	98	2,976,216	185	2,981,729	351	2,989,427	361	2,993,749	477	3,002,252	527
899	51	814	107	275	184	287	143	936	260	492	356	254	519
815	154	821	99	294	139	936	355	519	357	800	462	836	514
821	154	822	93	2,982,234	250	936	355	708	357	806	479	844	527
822	93	861	104	2,977,229	193	597	252	708	357	809	470	847	525
861	104	862	106	245	205	2,990,087	361	811	461	828	527	859	526
864	104	864	104	250	205	649	253	875	479	860	528	881	527
893	41	894	41	279	185	656	249	2,994,614	470	881	527	Analyst	
929	154	930	155	320	198	670	243	2,995,412	473	881	527	Australian	
931	155	2,972,177	155	662	182	676	243	2,995,412	473	881	527	Biochem. J	
520	49	664	206	900	257	2,995,412	473	3,003,388	502	881	527	Biochim. I	
665	205	665	205	2,983,023	242	299	345	2,995,412	473	881	527	Bull. centre	
2,965,631	48	473	134	2,978,290	351	567	255	304	361	413	474	843	583
509	151	521	182	568	251	311	362	414	474	845	580	Bull. Chem.	
546	156	547	139	345	202	322	432	415	478	854	577	Bull. Inst.	
547	139	548	136	347	197	608	246	405	353	422	470	855	577
105	62	590	146	352	351	625	255	520	462	891	584	Canadian 2	
751	61	795	134	362	205	626	254	525	462	892	584	Chem. Abs.	
762	56	784	62	408	185	642	255	525	462	905	588	Chem. and	
784	62	2,973,239	150	2,984,540	253	2,991,101	429	532	514	983	566	Chem. Trad.	
785	62	249	145	2,979,374	199	547	249	144	428	984	566	Chemie/faser	
787	64	284	155	380	196	584	255	145	428	985	566	Ciba Review	
797	65	285	146	488	199	543	309	146	432	3,004,021	565	Deutsche F	
841	57	861	52	501	194	632	240	184	424	029	629	Die Farbe.	
862	53	635	134	515	349	2,985,004	242	228	426	056	565	Dokladz	
863	53	2,974,001	148	933	182	260	429	2,997,362	523	057	565	Endeavour	
867	54	867	54	934	183	296	417	407	509	057	565	Faserforsch.	
870	47	870	47	501	309	420	527	420	527	057	578	Helv. chim.	
871	52	871	52	511	303	422	527	432	524	058	578	Ind. Eng. C	
876	52	876	52	515	148	2,980,487	202	536	477	059	578	Investig. A	
877	52	877	52	517	152	539	303	537	477	723	577	J. Amer. Ch.	
881	52	881	52	488	199	543	309	773	527	724	577	J. Assoc. C	
882	52	882	52	489	205	2,992,061	417	062	428	725	584	J. Biol. Ch.	
884	52	884	52	490	205	2,998,293	528	923	565	726	584	J.C.S. ...	
2,968,175	41	886	147	491	205	2,998,445	309	074	424	727	587	J. Chem. Ph.	
279	41	886	147	491	205	2,998,445	309	074	424	727	587	J. Chromato.	
520	56	886	147	491	205	2,998,445	309	074	424	727	587	J. Indian C.	
538	66	886	147	491	205	2,998,445	309	074	424	727	587	J. Opt. Soc.	
581	64	886	147	491	205	2,998,445	309	074	424	727	587	J. Plastics I.	
661	52	886	147	491	205	2,998,445	309	074	424	727	587	J. Polymer S.	
2,969,015	62	432	155	557	205	308	360	204	426	727	587	J. Res. Nat.	
366	54	586	134	623	249	370	363	878	475	728	630	Ab	
886	147	886	147	625	249	417	361	881	477	728	630	Amer. Dye	
2,970,126	66	886	147	625	250	421	363	882	471	729	630	Anal. Chem	
137	48	886	147	625	250	496	303	882	471	730	630	As	
158	42	2,975,018	160	644	249	933	471	026	516	731	630	Ind. Eng. C	
160	42	886	147	645	257	2,988,417	431	942	477	732	630	Investig. A	
345	64	886	147	647	257	493	461	294	532	733	630	J. Amer. Ch.	
362	65	886	147	648	257	514	426	944	477	734	630	J. Appl. Ch.	
880	62	169	148	671	247	964	527	731	523	735	630	J. Assoc. C	
881	66	628	157	691	353	994	472	774	526	736	630	J. Biol. Ch.	
882	59	709	352	800	363	2,993,065	517	3,000,298	524	737	630	J. Chromato.	
884	58	754	134	801	363	2,993,065	517	3,007,774	629	738	630	J. Colloid S.	
909	47	754	134	2,981,588	253	365	363	261	477	833	510	J. Indian C.	
926	65	886	147	589	254	365	363	689	528	835	509	J. Opt. Soc.	
934	59	2,976,111	206	596	249	406	357	371	480	3,008,620	625	J. Res. Nat.	
962	42	127	182	604	249	407	356	840	510	844	630	As oldel. k.	
963	42	146	190	628	255	411	354	841	529	845	630	As oldel. k.	
964	42	151	193	634	260	412	424	744	478	846	632	As oldel. k.	
965	56	165	202	691	243	414	363	745	472	847	630	As oldel. k.	
993	51	182	185	692	243	416	345	746	477	847	630	As oldel. k.	
993	51	183	205	422	344	747	477	982	518	847	630	As oldel. k.	
2,971,458	151	186	184	423	363	748	477	3,001,912	518	962	629	As oldel. k.	

# LIST OF PERIODICALS ABSTRACTED

With Abbreviated Titles used

JANUARY—DECEMBER 1962

ABBREVIATED TITLE	JOURNAL	ADDRESS OF PUBLISHER
<i>Amer. Dyestuff Rep.</i> ...	American Dyestuff Reporter ... ...	44 E. 23rd Street, New York 10, N.Y., U.S.A.
<i>Anal. Chem.</i> ...	Analytical Chemistry ... ...	American Chemical Society, 20th and Northampton Streets, Easton, Pa., U.S.A.
<i>Analyst</i> ...	Analyst ... ...	7-8 Idol Lane, London E.C.3.
<i>Australian J. Biol. Sci.</i> ...	Australian Journal of Biological Sciences ...	Commonwealth Scientific and Industrial Research Organisation, 314 Albert Street, East Melbourne C2, Victoria, Australia.
<i>Biochem. J.</i> ...	Biochemical Journal ... ...	Cambridge University Press, Bentley House, 200 Euston Road, London N.W.1.
<i>Biochim. Biophys. Acta</i> ...	Biochimica et Biophysica Acta ...	Elsevier Publishing Company, Spuistraat 112, Amsterdam C, Holland.
<i>Bull. centre recherches Bonneterie</i>	Bulletin du Centre de Recherches de la Bonneterie	Centre de Recherches de la Bonneterie, 270 Rue du Faubourg Cronceles, Troyes (Aube), France.
<i>Bull. Chem. Soc. Japan</i> ...	Bulletin of the Chemical Society of Japan ...	5, 1-Chome, Surugadai-Kanda, Chiyoda-ku, Tokyo, Japan
<i>Bull. Inst. Text. France</i> ...	Bulletin de l'Institut Textile de France ...	59 Rue de la Faisanderie, Paris (16 <sup>e</sup> ), France.
<i>Bull. Soc. industr. Mulhouse</i>	Bulletin de la Société Industrielle de Mulhouse	12 Rue de la Bourse, Mulhouse (Haut-Rhin), France.
<i>Canadian Textile J.</i> ...	Canadian Textile Journal ...	Canadian Textile Journal Publishing Co. Ltd., 4795 St. Catherine Street West, Montreal 6, Quebec Canada.
<i>Chem. Abs.</i> ...	Chemical Abstracts ... ...	American Chemical Society, 1155 16th Street, N.W. Washington 6, D.C., U.S.A.
<i>Chem. and Ind.</i> ...	Chemistry and Industry ...	14 Belgrave Square, London S.W.1.
<i>Chem. Trade J.</i> ...	Chemical Trade Journal and Chemical Engineer	Finwell House, 26 Finsbury Square, London E.C.2.
<i>Chemiefasern</i> ...	Chemiefasern ...	Deutscher Fachverlag G.m.b.H., Frankfurt/Main, Freiherr-vom-Stein-Straße 7, Germany.
<i>Ciba Review</i> ...	Ciba Review ...	Ciba Ltd., Basle, Switzerland.
<i>Deutsche Farben-Zeitschrift</i>	Deutsche Farben-Zeitschrift ...	Wissenschaftliche Verlag G.m.b.H., Stuttgart N, Birkenwaldstrasse 44, Germany
<i>Die Farbe</i> ...	Die Farbe ...	Musterschmidt-Verlag, Göttingen, Turmstrasse 7, Postfach 421, Germany.
<i>Dokladý Akad. Nauk S.S.R.</i>	Dokladý Akademii Nauk S.S.R. ...	Academy of Sciences of the U.S.S.R., Moscow, Shubinskij perelok 10, U.S.S.R.
<i>Dyer</i> ...	The Dyer, Textile Printer, Bleacher and Finisher	Heywood & Co. Ltd., Drury House, Russell Street, Drury Lane, London W.C.2.
<i>Endeavour</i> ...	Endeavour ...	Imperial Chemical Industries Ltd., Millbank, London S.W.1
<i>Faserforsch. und Textiltech.</i>	Faserforschung und Textiltechnik	Akademie-Verlag G.m.b.H., Berlin W.8, Leipzigerstrasse 3-4, Germany.
<i>Helv. chim. Acta</i> ...	Helvetica chimica Acta ...	Verlag Helvetica Chimica Acta, Basle 7, Switzerland.
<i>Ind. Eng. Chem.</i> ...	Industrial and Engineering Chemistry ...	American Chemical Society, 1155 16th Street, N.W., Washington 6, D.C., U.S.A.
<i>Indian Textile J.</i> ...	Indian Textile Journal ...	The Indian Textile Journal Ltd., "Surya Mahal", Military Square, Fort, Bombay, India.
<i>Izvestiya Akad. Nauk S.S.R. otdel. khim. nauk</i>	Izvestiya Akademii Nauk S.S.R. ...	Academy of Sciences of the U.S.S.R., Moscow, Shubinskij perelok 10, U.S.S.R.
<i>J. Amer. Chem. Soc.</i> ...	Journal of the American Chemical Society ...	1155 16th Street, N.W., Washington 6, D.C., U.S.A.
<i>J. Amer. Leather Chem. Assocn.</i>	Journal of the American Leather Chemists' Association ...	228 North Green Street, Easton, Pennsylvania, U.S.A.
<i>J. Appl. Chem.</i> ...	Journal of Applied Chemistry ...	Society of Chemical Industry, 14 Belgrave Square, London S.W.1.
<i>J. Applied Polymer Sci.</i>	Journal of Applied Polymer Science ...	Interscience Publishers Ltd., 88-90 Chancery Lane, London W.C.2.
<i>J. Assocn. Off. Agric. Chem.</i>	Journal of the Association of Official Agricultural Chemists	Association of Official Agricultural Chemists, Washington, D.C., U.S.A.
<i>J. Biol. Chem.</i> ...	Journal of Biological Chemistry ...	Mount Royal and Guilford Avenues, Baltimore 2, Maryland, U.S.A.
<i>J.C.S.</i> ...	Journal of the Chemical Society...	Burlington House, London W.1.
<i>J. Chem. Phys.</i> ...	Journal of Chemical Physics ...	American Institute of Physics, Lancaster, Pennsylvania, U.S.A.
<i>J. Chromatography</i> ...	Journal of Chromatography ...	Elsevier Publishing Co., 110-112 Spuistraat, Amsterdam, Holland.
<i>J. Colloid Sci.</i> ...	Journal of Colloid Science ...	Academic Press, Mount Royal and Guilford Avenues, Baltimore, Maryland, U.S.A.
<i>J. Indian Chem. Soc.</i> ...	Journal of the Indian Chemical Society ...	92 Acharya Prafulla Chandra Road, Calcutta 9, India.
<i>J. Oil &amp; Col. Chem. Assocn.</i>	Journal of the Oil and Colour Chemists' Association ...	Wax Chandlers' Hall, Gresham Street, London E.C.2.
<i>J. Opt. Soc. Amer.</i> ...	Journal of the Optical Society of America ...	American Institute of Physics, Prince and Lemon Streets, Lancaster, Pennsylvania, U.S.A.
<i>J. Physical Chem.</i> ...	Journal of Physical Chemistry ...	American Chemical Society, 20th and Northampton Streets, Easton, Pa., U.S.A.
<i>J. Plastics Inst.</i> ...	Transactions and Journal, The Plastics Institute	6 Mandeville Place, London, W.1.
<i>J. Polymer Sci.</i> ...	Journal of Polymer Science ...	Interscience Publishers Inc., 250 Fifth Avenue, New York 1, N.Y., U.S.A.
<i>J. Res. Nat. Bur. Stand.</i> ...	Journal of Research of the National Bureau of Standards	Superintendent of Documents, U.S. Government Printing Office, Washington 25, D.C., U.S.A.

LIST OF PERIODICALS ABSTRACTED—*continued*

ABBREVIATED TITLE	JOURNAL	ADDRESS OF PUBLISHER
<i>J. Roy. Inst. Chem.</i> ...	Journal of the Royal Institute of Chemistry ...	Royal Institute of Chemistry, 30 Russell Square, London W.C.1.
<i>J. Soc. Leather Trades Chem.</i> ...	Journal of the Society of Leather Trades' Chemists ... ... ... ...	52 Crouch Hall Lane, Redbourn, Herts.
<i>J. Soc. Textile Cellulose Ind. Japan</i> ...	Journal of the Society of Textile and Cellulose Industries, Japan (Sen-i Gakkai)	c/o Tokyo Institute of Technology, Ookayama, Meguro-ku, Tokyo, Japan.
<i>J. Textile Inst.</i> ...	Journal of the Textile Institute ... ... ...	10 Blackfriars Street, Manchester 3.
<i>Kolloid. zhur.</i> ...	Kolloidný zhurnal (Colloid Journal of the U.S.S.R.)	Academy of Sciences of the U.S.S.R., Moscow K-31, Kuznetskij most 9-10, U.S.S.R.
<i>Makromol. Chem.</i> ...	Die Makromolekulare Chemie ... ... ...	Dr. Alfred Hütig Verlag, G.m.b.H., Wilckenstr. 3, Heidelberg, Germany
<i>Melliand Textilber.</i> ...	Melliand Textilberichte ... ... ...	Melliand Textilberichte KG, Rohrbacherstr. 76, Heidelberg, Germany.
<i>Mh. Chem.</i> ...	Monatshefte für Chemie und verwandte Teile anderer Wissenschaften	Springer-Verlag, Wien I, Mölkerbastei 5, Austria.
<i>Nature</i> ...	Nature ... ... ... ...	Macmillan & Co. Ltd., St. Martin's Street, London, W.C.2.
<i>Off. Dig. Fed. Soc. Paint Technol.</i> ...	Official Digest, Federation of Societies for Paint Technology	121 South Broad Street, Philadelphia 7, Pa., U.S.A.
<i>Optics and Spectroscopy</i> ...	English translation of—Optika i Spektroskopiya	The Optical Society of America, Inc., 33 University Road, Cambridge 38, Massachusetts, U.S.A.
<i>Pakistan J. Scientific and Industrial Res.</i> ...	Pakistan Journal of Scientific and Industrial Research	39 Garden Road, Karachi-3, Pakistan.
<i>Polish Tech. Abs.</i> ...	Polish Technical Abstracts ... ... ...	Warsaw, Aleje Niepodleglosci 188, Poland.
<i>Proc. Chem. Soc.</i> ...	Proceedings of the Chemical Society ... ...	Burlington House, London W.1.
<i>Proc. I.R.I.</i> ...	Transactions and Proceedings Institution of the Rubber Industry	4 Kensington Palace Gardens, London W.8.
<i>Proc. Roy. Soc.</i> ...	Proceedings of the Royal Society ... ...	Burlington House, London, W.1.
<i>Rec. Trav. chim.</i> ...	Recueil des Travaux chimiques des Pays-Bas ...	Bureau Lange Vorhout 5, 's-Gravenhage, Holland.
<i>Rept. Govt. Chem. Ind. Research Inst. Tokyo</i> ...	Reports of the Government Chemical Industrial Research Institute, Tokyo	1-chome, Hon-machi, Shibuya-ku, Tokyo, Japan.
<i>Skinner's Rec.</i> ...	Skinner's Record of the Man-made Fibres Industry	St. James House, 44 Brazenose Street, Manchester 2.
<i>Studii și Cercetări, Științe Chimice (Timișoara)</i> ...	Studii și Cercetări Științifice, Timișoara, Seria Științe Chimice	Academia Republicii Populare Române, Baza de Cercetări Științifice, Timișoara, Bul. Mihai Viteazul 24, Romania.
<i>Svensk Papperstidning</i> ...	Svensk Papperstidning ... ... ...	Villagatan 1, Stockholm O, Sweden.
<i>S.V.F. Fachorgan</i> ...	S.V.F. Fachorgan für Textilveredlung ...	Basle 1, Postfach 201, Switzerland.
<i>Teintez</i> ...	Teintex, incorporating Revue Générale des Matières Colorantes ... ... ...	60 rue Richelieu, Paris (2 <sup>e</sup> ), France.
<i>Teinture et Apprêts</i> ...	Teinture et Apprêts ... ... ...	Société d'Éditions Techniques de la Manutention Textile, 12 Rue d'Anjou, Paris (8 <sup>e</sup> ), France.
<i>Tekhnol. tekstil. Prom.</i> ...	Izvestiya výsshikh uchebnýkh zavedeníi, Tekhnologiya tekstil'noj promýšlennosti (Technology of the Textile Industry of the U.S.S.R.) ... ... ...	Ivanova, ulitsa Fridrikha Engel'sa 21, U.S.S.R.
<i>Tekstil. prom.</i> ...	Tekstil'naya promýšlennost' (Textile Industry of the U.S.S.R.)	Gizeloprom, Moscow, Tsentr, ulitsa Kirova 39, 6-1 etazh Konnata 620, U.S.S.R.
<i>Tez</i> ...	De Tex ... ... ...	Uitg. C. Misset N.V., Doetinchem, Holland.
<i>Text. Manuf.</i> ...	Textile Manufacturer ... ... ...	31 King Street West, Manchester 3.
<i>Text. Rec.</i> ...	Textil Recorder ... ... ...	Old Colony House, South King Street, Manchester 2.
<i>Text. Research J.</i> ...	Textile Research Journal ... ... ...	Prince and Lemon Streets, Lancaster, Pennsylvania, U.S.A.
<i>Textil Prazis</i> ...	Textil Praxis ... ... ...	Konradin-Verlag Robert Kohlhammer G.m.b.H., Stuttgart 1, Postfach 625, Germany.
<i>Textil-Rund.</i> ...	Textil-Rundschau ... ... ...	Verlag Zolliker & Co., St. Gallen, Switzerland.
<i>Textile J. of Australia</i> ...	Textile Journal of Australia ... ...	19-47 Jeffcott Street, Melbourne, Australia.
<i>Tinctoria</i> ...	Tinctoria ... ... ...	Via Negroli 51, Milan, Italy.
<i>Tint. ind.</i> ...	Tintoreria industrial ... ... ...	Av. de Mayo 715, Buenos Aires, Argentina.
<i>Trans. Faraday Soc.</i> ...	Transactions of the Faraday Society ...	Aberdeen University Press Ltd., 6 Upper Kirkgate, Aberdeen, Scotland.
<i>Trans. I.R.I.</i> ...	Transactions and Proceedings Institution of the Rubber Industry ... ...	4 Kensington Palace Gardens, London W.8.
<i>Trans. Plastics Inst.</i> ...	Transactions and Journal The Plastics Institute	6 Mandeville Place, London W.1.
<i>Ukrain. khim. zhur.</i> ...	Ukrainskij khimicheskij zhurnal (Ukrainian Chemical Journal) ... ...	Kiev, 30, ulitsa Leontovicha 9a, U.S.S.R.
<i>Zesz. Nauk. Politech. Lódz.</i> ...	Zeszyty Naukowe Politechniki Lódzkiej ...	Lódz, Gdanska 155, Poland.
<i>Zhur. obshch. khim.</i> ...	Zhurnal obshchey khimii (Journal of General Chemistry of the U.S.S.R.)	Academy of Sciences of the U.S.S.R., Leningrad B-164, Mendelevskaya linija, U.S.S.R.
<i>Zhur. priklad. khim.</i> ...	Zhurnal prikladnoj khimii (Journal of Applied Chemistry of the U.S.S.R.)	Academy of Sciences of the U.S.S.R., Leningrad B-164, Mendelevskaya linija, U.S.S.R.

USE

In spe

absolute  
acetyl  
alkyl  
form  
alterm  
amphère  
Angstr  
anhydr  
approx

aqueou  
aryl rad  
form  
asymme  
organ  
atmosph  
unit)  
atomic  
atomic

Baumé

benzoyl

boiling

British

British

butyl (n

butyl (is

butyl (t

calculated

calorie

Celsius (

centi

compoun

concentr

concentr

configur

hydr

acids)

constant

containin

carbon

corrected  
crystal,  
jective  
cubic cen  
curie  
decompos  
degree  
degree of  
degree of  
density  
derivativ  
dextrorot  
dilute  
direct cur  
distil, -le  
electrom  
equation.

## ABBREVIATIONS AND SYMBOLS

### USED IN THE JOURNAL OF THE SOCIETY OF DYERS AND COLOURISTS

No distinction is made in abbreviations between singular and plural

In special cases abbreviations and symbols other than those in the list may be used, but as far as possible they will be as given either in standard English dictionaries or in *British Standard 1991: Part 1: 1954*

absolute ...	... abs.	equimolecular ...	... equimol.	Patent ...	... P
acetyl ...	... Ac	equivalent ...	... equiv.	phenyl ...	... Ph
alkyl radical (in chemical formula) ...	... Alk	ethyl ...	... Et	poise ...	... P
alternating current ...	... a.c.	Fahrenheit ...	... F	potential difference ...	... p.d.
ampère ...	... A	foot ...	... ft	pound ...	... lb
Angström unit ...	... Å	freezing point ...	... f.p.	precipitate ...	... ppt.
anhydrous ...	... anhyd.	French Patent ...	... FP	precipitated ...	... pptd.
approximate, -ly ...	... approx., ca.	gallon (Imperial) ...	... gal	precipitation ...	... ptn.
aqueous ...	... aq.	gallon (U.S.A.) ...	... gal(U.S.A.)	proportional to ...	... $\propto$
aryl radical (in chemical formula) ...	... Ar	German Patent ...	... GP	propyl (normal) ...	... Pr <sup>n</sup>
asymmetric (applied to organic compounds) ...	... as-	gram ...	... g	propyl (iso) ...	... Pri
atmosphere (pressure unit) ...	... atm	gram-molecule ...	... mole	pseudo- (organic compound) ...	... $\psi$
atomic ...	... at.	greater than ...	... >	qualitative(ly) ...	... qual.
atomic weight ...	... at. wt.	halogen (in chemical formula) ...	... Hal	quantitative(ly) ...	... quant.
Baumé ...	... Bé	horse power ...	... h.p.	racemic (organic chemistry) ...	... r.
benzoyl ...	... Bz	hour ...	... h	recrystallised ...	... recryst.
boiling point ...	... b.p.	hydrogen ion concentration (negative logarithm) ...	... pH	refractive index ...	... n
British Patent ...	... BP	inch ...	... in.	relative humidity ...	... r.h.
British thermal unit ...	... B.t.u.	infrared ...	... i.r.	revolutions per minute ...	... rev/min
butyl (normal) ...	... Bun	inorganic ...	... inorg.	röntgen ...	... r
butyl (iso) ...	... But <sup>i</sup>	insoluble ...	... insol.	saturate(d) ...	... sat.*
butyl (tertiary) ...	... But <sup>t</sup>	kilocalorie ...	... kcal	second ...	... s
calculated ...	... calc.	kilogram ...	... kg	secondary (organic compound) ...	... s.
calorie ...	... cal	laevorotatory ...	... laevo, (-)-	soluble ...	... sol.
Celsius (centigrade) ...	... C	less than ...	... <	solution ...	... soln.
centi ...	... c	litre ...	... l.	specific ...	... sp.
compound ...	... cpd.	logarithm (decadio) ...	... log	specific gravity ...	... sp. gr.
concentrated ...	... conc.	logarithm (natural) ...	... ln	squares in. (etc.) ...	... in <sup>2</sup> (etc.)
concentration ...	... concen.	maximum ...	... max.	stokes ...	... S
configuration (carbohydrates and amino acids) ...	... D-, L-	melting point ...	... m.p.	substituted ...	... subst.*
constant ...	... const.	meta- ...	... m-	substitution on nitrogen, oxygen, etc. ...	... N-, O-, etc.
containing more than $n$ carbon atoms ...	... containing $> n$ C	methyl ...	... Me	symmetrical (organic compound) ...	... s.
corrected ...	... corr.	metre ...	... m.	temperature ...	... temp.
crystal, -line, -lised (adjective) ...	... cryst.	microgram ...	... $\mu$ g	tertiary- (organic compound) ...	... t.
cubic centimetre (etc.) ...	... cm <sup>3</sup> (etc.)	micron ...	... $\mu$	turns per inch ...	... turns/in
curie ...	... c	milli- ...	... m	Twaddell ...	... Tw
decomposition ...	... decomp.	millilitre ...	... ml	United States Patent ...	... USP
degree ...	... deg.	minimum ...	... min.	ultraviolet ...	... u.v.
degree of polymerisation ...	... D.P.	minute ...	... min.	unsaturated ...	... unsat.*
degree of substitution ...	... D.S.	molar (concentration) ...	... M	unsubstituted ...	... unsubst.*
density ...	... $\rho$	molecular, -e ...	... mol.	viscosity ...	... $\eta$
derivative ...	... deriv.	molecular weight ...	... mol. wt.	volt ...	... V
dextrorotatory ...	... dextro, (+)-	normal (concentration) ...	... N	volume ...	... vol.
dilute ...	... dil.	normal (organic compound) ...	... n.	watt ...	... W
direct current ...	... d.c.	not greater than ...	... $\geq$	wavelength ...	... $\lambda$
distil, -led ...	... dist.	not less than ...	... $\leq$	weight ...	... wt.
electromotive force ...	... e.m.f.	organic ...	... org.		
equation ...	... eqn.	ortho- ...	... o.		
		ounce ...	... oz		
		para- ...	... p.		
		parts per million ...	... p.p.m.	yard ...	... yd

\* Only in describing general formulae in the Abstracts Section